11. REPLACEMENT PARTS LIST/ EXPLODED VIEWS

ELECTRICAL PARTS LIST

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

Les pièces marquéss "⚠" sont importantes pour maintenir la sècurité de l'appareil. Ne remplacer ces pieces que par des pièces dont le numéro est spécifié pour maintenir la sécurité et protéger le bon fonctinnement de l'appareil.

"HOW TO ORDER REPLACEMENT PARTS"

in USA: Contact your nearest SHARP Parts Distributor. For location of SHARP Parts Distributor, Call Toll-free 1-IBE800-SHARP

in CANADA: Contact SHARP Electronics of Canada Limited Phone (416) 890-2100.

★MARK : SPARE PARTS-DELIVERY SECTION:ALL JAPAN

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION
5. PRICE CODE

⚠ MARK: SAFETY RELATED PARTS
⚠ PIECES: RELATIVES A LA SECURITE

PWB ASSEMBLY IS NOT REPLACEMENT ITEM
L'ASSEMBLANGE P.C.I. EST UN ARTICLE NON REMPLACABLE

Ref. No.	Part No.	★	Description	Code

PRINTED WIRING BOARD ASSEMBLIES

(NOT REPLACEMENT ITEM)

DUNTK2782QA03	VCR Unit(VL-E760U)	—
DUNTK2782QA04	VCR Unit(VL-E765U)	—
DUNTK2785PM01	CAMERA Unit(VL-E760U)	—
DUNTK2785PM02	CAMERA Unit(VL-E765U)	—
DUNTK2800PM00	CCD Unit	—
RAMP-0017TAN0	Head Amp Unit	—

DUNTK2782QA03 VCR UNIT(VL-E760U)
DUNTK2782QA04 VCR UNIT(VL-E765U)

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
⚠ CP901	VHiCCP2E50/-1		I.C.	AD
⚠ CP902	VHiCCP2E50/-1		I.C.	AD
IC401	VHiAN2492F/-1		AN2492FH	AX
IC601	VHiLA7458W/-1		LA7458W	AT
IC701	VHiRM3329B/-1		RS5RM3329B-T2	AL
IC702	VHiXL93L56F-1		XL93LC56F	AK
IC703	RH-iX0591TAZZ		CXP87460-122R	AY
IC704	VHiNJM2904M-1		NJM2904M	AE
IC904	VHiNJM2904M-1		NJM2904M	AE
IC705	RH-iX0478TAZZ		IX0478TA-E2	AR
IC706	VHiRS5C313/-1		RS5C313-E2	AL
IC800	VHiiR3Y29AM-1		IR3Y29AM	AV
IC801	VHiNJM2107F-1		NJM2107F	AE
IC802	VHiNJM4565V-1		NJM4565V	AF
IC803	VHiLZ95NA1/-1		LZ95NA1	AR
IC901	RH-iX0325TAZZ		MB4484PFV-G	AY
IC902	VHiTA75S01F-1		TA75S01F	AD
IC1701	VHiCXA1814N-1		CXA1814N/-T4	AQ
IC2701	VHiMB88344F-1		MB88344PFV	AV
IC3701	VHiLB1950V/-1		LB1950V-TRM	AQ
IC3702	VHiLB1951V/-1		LB1951V-TRM	AN
IC3703	VHiLB1638M/-1		LB1638M-TE-R	AK
IC4401	VHiTL8856FS-1		TL8856FS(EL)	AH

TRANSISTORS

Q401	VSRT1N241U/-1	Transistor	AB
Q402	VSRT1N241U/-1	Transistor	AB
Q403	VSUMD2/////-1	Transistor	AC
Q404	VSUMD2/////-1	Transistor	AC
Q405	VSRT1P241U/-1	Transistor	AB
Q406	VS2PA1774R/-1	Transistor	AB
Q407	VS2SC5383F/-1	Transistor	AB
Q409	VSRT1N241U/-1	Transistor	AB
Q411	VS2SC5384C/-1	Transistor	AB
Q412	VSRT1P241U/-1	Transistor	AB
Q414	VSRT1N441U/-1	Transistor	AB
Q601	VS2SA1298Y/-1	Transistor	AB
Q602	VSDTC144EE/-1	Transistor	AA
Q603	VS2SC4738Y/-1	Transistor	AA
Q701	VS2SB12956/-1	Transistor	AB
Q702	VSDTC144EE/-1	Transistor	AA
Q703	VSXP6501///-1	Transistor	AB
Q704	VSUMD2/////-1	Transistor	AC
Q714	VSUMT2/////-1	Transistor	AB
Q715	VSUPUMZ1///-1	Transistor	AC
Q721	VS2SA1774F/-1	Transistor	AA
Q800	VSUMA2/////-1	Transistor	AB
Q803	VSUPUMZ1///-1	Transistor	AC
Q804	VSUMG2/////-1	Transistor	AC
Q901	VSFP301////-1	Transistor	AD
Q903	VS2SB12956/-1	Transistor	AB
Q905	VSFZT1048A/-1	Transistor	AF
Q907	VS2SA1973//-1	Transistor	AD
Q908	VS2SA1973//-1	Transistor	AD
Q909	VS2SA1973//-1	Transistor	AD
Q910	VS2SA1973//-1	Transistor	AD

Ref. No.	Part No.	★	Description	Code
Q911	VSUMA4/////-1		Transistor	AB
Q912	VSMPL1/////-1		Transistor	AE
Q913	VS2SB1123//-1		Transistor	AC
Q914	VSUMD2/////-1		Transistor	AC
Q915	VSUMD2/////-1		Transistor	AC
Q916	VSUMH2/////-1		Transistor	AC
Q917	VSUMD2/////-1		Transistor	AC
Q918	VSUMD2/////-1		Transistor	AC
Q919	VSUMD2/////-1		Transistor	AC
Q920	VSUMG2/////-1		Transistor	AC
Q923	VSUMD2/////-1		Transistor	AC
Q925	VSFX803////-1		Transistor	AG
Q926	VSMPL1/////-1		Transistor	AE
Q927	VSMPL1/////-1		Transistor	AE
Q928	VSFZT1048A/-1		Transistor	AF
Q929	VS2SA1774F/-1		Transistor	AA
Q933	VSUMD2/////-1		Transistor	AC
Q934	VS2SA1774F/-1		Transistor	AA
Q937	VSDTA144EE/-1		Transistor	AA
Q1402	VS2SA1989R/-1		Transistor	AB
Q1403	VS2SC5383F/-1		Transistor	AB
Q1404	VSXP1B301//-1		Transistor	AD
Q3701	VSUPUMX1///-1		Transistor	AC
Q3702	VSUMB2/////-1		Transistor	AB
Q4401	VS2PA1774R/-1		Transistor	AB
Q4402	VS2PA1774R/-1		Transistor	AB
Q4405	VS2PA1774R/-1		Transistor	AB
Q5401	VS2SC5384C/-1		Transistor	AB
Q5402	VS2SC5384C/-1		Transistor	AB
Q5403	VS2PC4617R/-1		Transistor	AB
Q5404	VS2SC5383F/-1		Transistor	AB
Q5405	VS2SA1298Y/-1		Transistor	AB
Q7402	VS2SA1989R/-1		Transistor	AB
Q7403	VS2SC5384C/-1		Transistor	AB
Q7404	VS2SA1989R/-1		Transistor	AB
Q7405	VSRT1P241U/-1		Transistor	AB
Q8402	VSUPUMX1///-1		Transistor	AC
Q8403	VSRT1N141U/-1		Transistor	AB
Q8404	VSUPUMZ1///-1		Transistor	AC
Q8405	VSUPUMX1///-1		Transistor	AC
Q8407	VS2SC5383F/-1		Transistor	AB
Q8408	VS2SC5383F/-1		Transistor	AB
Q8409	VS2SA1989R/-1		Transistor	AB
Q9401	VSUPUMX1///-1		Transistor	AC

DIODES AND LED'S

D401	VHDMA133///-1		Diode	AB
D601	VHDMA132K//-1		Diode	AA
D701	RH-DX0182TAZZ		Diode	AD
D702	RH-DX0182TAZZ		Diode	AD
D802	VHDMA132K//-1		Diode	AA
D803	VHDHVC359TR-1		Diode	AD
D805	RH-EX0189TAZZ		Zener Diode	AC
D901	VHDF1J2H///-1		Diode	AD
D902	RH-EX0193TAZZ		Zener Diode	AC
D903	VHD1SS355//-1		Diode	AB
D904	VHDDA227///-1		Diode	AB
D905	VHDF01J2E//-1		Diode	AC
D906	VHDF1J2H///-1		Diode	AD
D1901	VHDMA2S111/-1		Diode	AC
D5401	VHDHVU17TRF-1		Diode	AE

PACKAGED CIRCUITS

TH800	VHHT1103K44-1		Thermistor	AD
TH5401	VHHT1222K41-1		Thermistor	AD
X401	RCRSC0115TAZZ		Crystal	AH
X701	RCRSC0030TAZZ		Crystal	AG
X702	RCRSC0032TAZZ		Crystal	AG
X800	RCRSC0087TAZZ		Crystal	AK

COIL AND TRANSFORMERS

FL701	RCiLB0039TAZZ		Oscillation Coil	AE
FL5401	RCiLF0367TAZZ		Coil	AH
L401	VPAXM220KR88N		Peaking 22µH 10%	AC
L402	VPAWM101J140N		Peaking 100µH 5%	AC
L403	VPAEM151J110N		Peaking 150µH 5%	AC
L404	VPAEM220J2R9N		Peaking 22µH 5%	AC
L601	VPAXM101K4R0N		Peaking 100µH 10%	AC
L602	VPAXM101K4R0N		Peaking 100µH 10%	AC
L603	VP-WM220KR71N		Peaking 22µH 10%	AB
L701	RCiLP0241TAZZ		Coil	AF
L702	VPAXM220KR88N		Peaking 22µH 10%	AC
L703	VPAXM220KR88N		Peaking 22µH 10%	AC
L800	VPAWM470J6R4N		Peaking 47µH 5%	AC
L802	VPAXM470K1R7N		Peaking 47µH 10%	AC
L803	VPAXM100KR42N		Peaking 10µH 10%	AC
L804	VPAWM1R2JR78N		Peaking 1.2µH 5%	AD
L805	VPAEM120J1R9N		Peaking 12µH 5%	AC
L901	RCiLP0226TAZZ		Coil	AE
L902	RCiLP0206TAZZ		Coil	AE
L903	VPAXM101K4R0N		Peaking 100µH 10%	AC
L904	VPAXM100KR42N		Peaking 10µH 10%	AC
L905	RCiLP0160TAZZ		Coil	AE
L906	RCiLP0206TAZZ		Coil	AE
L907	VPAXM100KR42N		Peaking 10µH 10%	AC
L908	VPAXM2R2MR16N		Peaking 2.2µH 20%	AC

Ref. No.	Part No.	★	Description	Code
L909	VPAXM100KR42N		Peaking 10µH 10%	AC
L910	VPAXM2R2MR16N		Peaking 2.2µH 20%	AC
L911	RCiLP0160TAZZ		Coil	AE
L912	RCiLP0206TAZZ		Coil	AE
L913	VPAXM100KR42N		Peaking 10µH 10%	AC
L914	RCiLP0226TAZZ		Coil	AE
L915	VPBAM100KR26N		Peaking 10µH 10%	AC
L916	VPBAM100KR26N		Peaking 10µH 10%	AC
L917	VPBAM2R2M090N		Peaking 2.2µH 20%	AC
L918	VPBAM100KR26N		Peaking 10µH 10%	AC
L919	RCiLP0160TAZZ		Coil	AE
L920	RCiLP0206TAZZ		Coil	AE
L921	VPAXM2R2MR16N		Peaking 2.2µH 20%	AC
L922	VPAXM100KR42N		Peaking 10µH 10%	AC
L923	RCiLP0160TAZZ		Coil	AE
L924	RCiLP0205TAZZ		Coil	AE
L925	RCiLP0205TAZZ		Coil	AE
L926	RCiLP0206TAZZ		Coil	AE
L927	RCiLP0223TAZZ		Coil	AE
L931	VPAXM101K4R0N		Peaking 100µH 10%	AC
L932	RCiLP0226TAZZ		Coil	AE
L1701	VPAXM220KR88N		Peaking 22µH 10%	AC
L2701	VPAXM220KR88N		Peaking 22µH 10%	AC
L3701	VPAXM2R2MR16N		Peaking 2.2µH 20%	AC
L4401	VPAXM470K1R7N		Peaking 47µH 10%	AC
L7402	VPAEM121J9R0N		Peaking 120µH 5%	AC
L7403	VPAEM391J220N		Peaking 390µH 5%	AC
L7404	VPAWM1R8JR98N		Peaking 1.8µH 5%	AC
L7405	VPAEM471J250N		Peaking 470µH 5%	AC
L8401	VPAWM6R8J2R1N		Peaking 6.8µH 5%	AC
L8402	VPAWM100J2R6N		Peaking 10µH 5%	AC
L8403	VPAWM8R2J2R3N		Peaking 8.2µH 5%	AD
L8404	VPAEM121J9R0N		Peaking 120µH 5%	AC
L8405	VPAEM471J250N		Peaking 470µH 5%	AC
L8407	VPAEM331J210N		Peaking 330µH 5%	AC
L8408	VPAEM471J250N		Peaking 470µH 5%	AC
⚠ T901	RTRNZ0128TAZZ		Transformer	AH

CAPACITORS

C402	VCKYCZ1CB103K		0.01	16V	Ceramic	AB
C403	VCKYCZ1CB103K		0.01	16V	Ceramic	AB
C404	RC-KZ0051TAZZ		Capacitor			AC
C405	VCSATA1AJ106M		10	10V	Tantalum	AC
C406	VCSATA1AJ335M		3.3	10V	Tantalum	AC
C407	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C408	VCSATA1AJ475M		4.7	10V	Tantalum	AC
C409	VCSATA1AJ475M		4.7	10V	Tantalum	AC
C410	RC-KZ0051TAZZ		Capacitor			AC
C411	RC-KZ0051TAZZ		Capacitor			AC
C412	RC-KZ0055TAZZ		Capacitor			AD
C413	RC-KZ0055TAZZ		Capacitor			AD
C414	VCKYTV1CB224K		0.22	16V	Ceramic	AB
C415	VCSATA1AJ106M		10	10V	Tantalum	AC
C416	VCSATA1AJ475M		4.7	10V	Tantalum	AC
C417	VCSATA1AJ106M		10	10V	Tantalum	AC
C418	VCSATA1AJ335M		3.3	10V	Tantalum	AC
C419	VCKYCZ1CB103K		0.01	16V	Ceramic	AB
C420	VCCCCY1HH151J		150p	50V	Ceramic	AA
C421	RC-KZ0051TAZZ		Capacitor			AC
C423	VCKYCY1HB682K		6800p	50V	Ceramic	AA
C424	VCCCCY1HH331J		330p	50V	Ceramic	AA
C425	VCCCCY1HH391J		390p	50V	Ceramic	AA
C426	VCCCCZ1HH270J		27p	50V	Ceramic	AB
C427	VCKYCZ1CB103K		0.01	16V	Ceramic	AB
C428	VCSATA1AJ106M		10	10V	Tantalum	AC
C429	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C430	VCKYCZ1CB103K		0.01	16V	Ceramic	AB
C431	VCCCCZ1HH390J		39p	50V	Ceramic	AB
C432	VCKYCZ1CB103K		0.01	16V	Ceramic	AB
C433	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C435	VCKYCZ1CB103K		0.01	16V	Ceramic	AB
C436	VCKYCZ1CB103K		0.01	16V	Ceramic	AB
C437	VCCCCY1HH471J		470p	50V	Ceramic	AA
C438	RC-KZ0055TAZZ		Capacitor			AD
C439	VCCCCY1HH391J		390p	50V	Ceramic	AA
C440	VCKYCZ1CB103K		0.01	16V	Ceramic	AB
C441	VCKYCZ1CB103K		0.01	16V	Ceramic	AB
C442	VCCCCZ1HH470J		47p	50V	Ceramic	AB
C443	VCCCCZ1HH470J		47p	50V	Ceramic	AB
C445	VCKYCZ1CB103K		0.01	16V	Ceramic	AB
C446	RC-KZ0051TAZZ		Capacitor			AC
C447	VCSATA1AJ106M		10	10V	Tantalum	AC
C448	VCKYCZ1CB103K		0.01	16V	Ceramic	AB
C449	VCSATJ1AJ476M		47	10V	Tantalum	AE
C450	VCCCCY1HH820J		82p	50V	Ceramic	AA
C451	VCSAPD1CJ105M		1.0	16V	Tantalum	AC
C453	VCCCCY1HH150J		15p	50V	Ceramic	AA
C454	VCKYCZ1CB103K		0.01	16V	Ceramic	AB
C455	VCKYTV1CB474K		0.47	16V	Ceramic	AC
C457	RC-KZ0051TAZZ		Capacitor			AC
C458	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C459	VCKYCZ1CB103K		0.01	16V	Ceramic	AB
C601	VCSATA1CJ225M		2.2	16V	Tantalum	AC
C602	VCKYTV1CF225Z		2.2	16V	Ceramic	AC
C603	VCSATJ1AJ476M		47	10V	Tantalum	AE
C604	VCSATJ1AJ476M		47	10V	Tantalum	AE

Ref. No.	Part No.	★	Description			Code
C605	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C606	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C607	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C608	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C609	VCKYCY1CF334Z		0.33	16V	Ceramic	AA
C610	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C611	VCSATE0JJ226M		22	6.3V	Tantalum	AD
C612	VCEAPH1HW474M		0.47	50V	Electrolytic	AB
C613	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C614	VCKYTV1HB223K		0.022	50V	Ceramic	AB
C615	VCEAPH1HW105M		1.0	50V	Electrolytic	AB
C616	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C617	VCSATE1AJ336M		33	10V	Tantalum	AG
C618	RC-KZ0051TAZZ		Capacitor			AC
C619	VCSATE1DJ475M		4.7	20V	Tantalum	AD
C620	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C621	VCSATE1DJ475M		4.7	20V	Tantalum	AD
C622	VCSAPD1DJ474M		0.47	20V	Tantalum	AD
C623	VCSATE1CJ106M		10	16V	Tantalum	AD
C624	VCEAPF0JW476M		47	6.3V	Electrolytic	AB
C625	VCSATE1DJ475M		4.7	20V	Tantalum	AD
C626	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C627	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C628	VCKYCY1HB682K		6800p	50V	Ceramic	AA
C629	VCKYCY1HB332K		3300p	50V	Ceramic	AA
C630	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C631	VCSATA1EJ105M		1.0	25V	Tantalum	AC
C632	VCKYCY1HB222K		2200p	50V	Ceramic	AA
C633	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C634	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C635	VCKYCY1HB103K		0.01	50V	Ceramic	AA
C636	VCSATA1EJ105M		1.0	25V	Tantalum	AC
C637	VCSATJ1AJ476M		47	10V	Tantalum	AE
C638	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C701	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C702	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C703	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C704	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C705	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C706	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C707	VCEAPF1AW476M		47	10V	Electrolytic	AB
C708	VCSATJ1CJ226M		22	16V	Tantalum	AE
C709	VCSATA1AJ475M		4.7	10V	Tantalum	AC
C710	VCEAPF0JW107M		100	6.3V	Electrolytic	AC
C711	VCKYCY1CF104Z		0.1	16V	Ceramic	AA
C712	VCKYCY1CF104Z		0.1	16V	Ceramic	AA
C713	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C714	VCKYCY1CF104Z		0.1	16V	Ceramic	AA
C715	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C716	VCCCCY1HH180J		18p	50V	Ceramic	AA
C717	VCKYCY1HB471K		470p	50V	Ceramic	AA
C718	VCCCCY1HH180J		18p	50V	Ceramic	AA
C719	VCKYCY1EB103K		0.01	25V	Ceramic	AA
C720	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C721	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C722	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C723	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C724	VCKYCY1HB682K		6800p	50V	Ceramic	AA
C725	VCKYCY1HB102K		1000p	50V	Ceramic	AA
C726	VCKYCY1CF104Z		0.1	16V	Ceramic	AA
C727	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C728	VCKYCY1EB103K		0.01	25V	Ceramic	AA
C729	VCKYCY1AF105Z		1.0	10V	Ceramic	AC
C730	VCEAPH1EW475M		4.7	25V	Electrolytic	AB
C731	VCKYCY1CF104Z		0.1	16V	Ceramic	AA
C732	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C733	VCCCCY1HH200J		20p	50V	Ceramic	AA
C734	VCKYCY1CB104K		0.1	16V	Ceramic	AB
C801	VCKYCZ1HB471K		470p	50V	Ceramic	AB
C803	RC-KZ0051TAZZ		Capacitor			AC
C804	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C805	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C806	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C807	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C808	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C809	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C810	VCKYTV1CF105Z		1.0	16V	Ceramic	AB
C811	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C812	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C813	VCKYTV1CF105Z		1.0	16V	Ceramic	AB
C814	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C815	VCKYTV1CF105Z		1.0	16V	Ceramic	AB
C816	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C817	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C818	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C819	VCCCCZ1HH150J		15p	50V	Ceramic	AB
C820	VCCCCZ1HH560J		56p	50V	Ceramic	AB
C821	VCKYTV1CF105Z		1.0	16V	Ceramic	AB
C822	VCKYTV1CB474K		0.47	16V	Ceramic	AC
C823	VCSATA1AJ335M		3.3	10V	Tantalum	AC
C824	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C830	VCSATJ1CJ226M		22	16V	Tantalum	AE
C831	VCSATA1AJ106M		10	10V	Tantalum	AC
C832	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C836	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C837	VCCCCZ1HH270J		27p	50V	Ceramic	AB

Ref. No.	Part No.	★	Description	Code
C838	VCCCCZ1HH150J		15p 50V Ceramic	AB
C839	VCKYCY1CF334Z		0.33 16V Ceramic	AA
C840	VCKYCZ1HF103Z		0.01 50V Ceramic	AB
C841	VCKYCZ1HF103Z		0.01 50V Ceramic	AB
C842	VCKYCZ1HF103Z		0.01 50V Ceramic	AB
C844	VCSATA1AJ106M		10 10V Tantalum	AC
C845	VCSATA1AJ106M		10 10V Tantalum	AC
C846	VCKYCY1CF104Z		0.1 16V Ceramic	AA
C847	VCKYCZ1HB561K		560p 50V Ceramic	AC
C848	RC-KZ0051TAZZ		Capacitor	AC
C849	VCKYCY1CF104Z		0.1 16V Ceramic	AA
C850	VCCCCZ1HH8R0D		8.0p 50V Ceramic	AB
C851	VCKYCY1CF104Z		0.1 16V Ceramic	AA
C852	RC-KZ0051TAZZ		Capacitor	AC
C854	VCKYCZ1HF103Z		0.01 50V Ceramic	AB
C855	VCKYCZ1HB102K		1000p 50V Ceramic	AB
C856	VCKYCY1CF104Z		0.1 16V Ceramic	AA
C857	RC-KZ0051TAZZ		Capacitor	AC
C860	VCCCCZ1HH181J		180p 50V Ceramic	AB
C861	VCKYCY1CF104Z		0.1 16V Ceramic	AA
C864	VCKYCY1CF224Z		0.22 16V Ceramic	AA
C866	VCKYCY1CF104Z		0.1 16V Ceramic	AA
C872	VCCCCZ1HH101J		100p 50V Ceramic	AB
C874	VCSATA1DJ475M		4.7 20V Tantalum	AC
C876	VCKYCZ1HF103Z		0.01 50V Ceramic	AB
C877	VCKYCY1CF104Z		0.1 16V Ceramic	AA
C878	VCKYCY1CF104Z		0.1 16V Ceramic	AA
C879	VCKYCZ1HF103Z		0.01 50V Ceramic	AB
C880	RC-KZ0051TAZZ		Capacitor	AC
C881	RC-KZ0051TAZZ		Capacitor	AC
C883	VCKYCY1CF104Z		0.1 16V Ceramic	AA
C900	VCEAPF1AW476M		47 10V Electrolytic	AB
C902	RC-KZ0055TAZZ		Capacitor	AD
C903	RC-KZ0055TAZZ		Capacitor	AD
C904	RC-KZ0055TAZZ		Capacitor	AD
C905	RC-KZ0049TAZZ		Capacitor	AD
C906	RC-KZ0042TAZZ		Capacitor	AE
C907	RC-KZ0055TAZZ		Capacitor	AD
C908	RC-KZ0055TAZZ		Capacitor	AD
C909	RC-KZ0027TAZZ		Capacitor	AF
C910	RC-KZ0042TAZZ		Capacitor	AE
C911	RC-KZ0055TAZZ		Capacitor	AD
C912	RC-KZ0055TAZZ		Capacitor	AD
C913	RC-KZ0055TAZZ		Capacitor	AD
C914	RC-KZ0049TAZZ		Capacitor	AD
C915	RC-KZ0058TAZZ		Capacitor	AC
C916	RC-KZ0058TAZZ		Capacitor	AC
C917	RC-KZ0048TAZZ		Capacitor	AD
C918	RC-KZ0058TAZZ		Capacitor	AC
C919	VCKYTV1EB104K		0.1 25V Ceramic	AB
C920	VCKYTV1EB104K		0.1 25V Ceramic	AB
C921	VCKYTQ1CB105K		1.0 16V Ceramic	AC
C922	VCKYTV1EB104K		0.1 25V Ceramic	AB
C923	RC-KZ0042TAZZ		Capacitor	AE
C924	RC-KZ0042TAZZ		Capacitor	AE
C925	VCKYTV1CF105Z		1.0 16V Ceramic	AB
C926	VCKYTV1AB105K		1.0 10V Ceramic	AD
C927	RC-KZ0042TAZZ		Capacitor	AE
C928	RC-KZ0049TAZZ		Capacitor	AD
C929	RC-KZ0042TAZZ		Capacitor	AE
C930	RC-KZ0049TAZZ		Capacitor	AD
C931	RC-KZ0049TAZZ		Capacitor	AD
C940	VCKYCZ1CB103K		0.01 16V Ceramic	AB
C941	VCKYCY1EF104Z		0.1 25V Ceramic	AA
C942	VCKYTV1CF105Z		1.0 16V Ceramic	AB
C943	RC-CZ0017TAZZ		Capacitor	AE
C944	VCKYTV1CF105Z		1.0 16V Ceramic	AB
C945	VCKYCY1EB103K		0.01 25V Ceramic	AA
C1402	RC-KZ0051TAZZ		Capacitor	AC
C1403	RC-KZ0042TAZZ		Capacitor	AE
C1404	VCKYCZ1CB103K		0.01 16V Ceramic	AB
C1405	VCSATA1AJ106M		10 10V Tantalum	AC
C1701	VCSATE1AJ336M		33 10V Tantalum	AG
C1702	VCKYCY1HF103Z		0.01 50V Ceramic	AA
C1703	VCKYCY1HF103Z		0.01 50V Ceramic	AA
C1704	VCKYCY1CF104Z		0.1 16V Ceramic	AA
C1705	VCKYCY1HF103Z		0.01 50V Ceramic	AA
C1706	VCKYCY1HF103Z		0.01 50V Ceramic	AA
C1707	VCKYCY1HF103Z		0.01 50V Ceramic	AA
C1708	VCKYCY1CF104Z		0.1 16V Ceramic	AA
C1709	VCKYCY1HF103Z		0.01 50V Ceramic	AA
C1710	VCCCCY1HH8R0D		8.0p 50V Ceramic	AA
C1711	VCKYCY1HB472K		4700p 50V Ceramic	AA
C1901	VCKYTV1EB104K		0.1 25V Ceramic	AB
C1902	VCKYCY1HB332K		3300p 50V Ceramic	AA
C1903	VCKYCY1CB104K		0.1 16V Ceramic	AB
C1904	VCKYCZ1HB222K		2200p 50V Ceramic	AB
C1906	VCKYCZ1CB103K		0.01 16V Ceramic	AB
C1907	VCKYCY1CB104K		0.1 16V Ceramic	AB
C1908	VCKYCZ1EB682K		6800p 25V Ceramic	AB
C1909	VCKYCY1CB104K		0.1 16V Ceramic	AB
C1910	VCCCCY1HH181J		180p 50V Ceramic	AA
C1911	VCCCCY1HH181J		180p 50V Ceramic	AA
C1912	VCKYTV1CB474K		0.47 16V Ceramic	AC
C1913	VCKYTV1EB104K		0.1 25V Ceramic	AB
C1914	VCKYTV1EB104K		0.1 25V Ceramic	AB

Ref. No.	Part No.	★	Description	Code
C1915	VCKYTV1EB104K		0.1 25V Ceramic	AB
C1916	VCKYCY1CB333K		0.033 16V Ceramic	AA
C1917	VCKYTV1CF225Z		2.2 16V Ceramic	AC
C1918	VCKYCY1CB104K		0.1 16V Ceramic	AB
C1919	VCKYTV1EB104K		0.1 25V Ceramic	AB
C1920	VCKYCY1CB473K		0.047 16V Ceramic	AA
C1921	VCKYCZ1HB102K		1000p 50V Ceramic	AB
C1922	VCKYTV1EB104K		0.1 25V Ceramic	AB
C1923	VCKYCZ1HB102K		1000p 50V Ceramic	AB
C1924	VCKYTV1EB104K		0.1 25V Ceramic	AB
C1925	VCKYCZ1HB102K		1000p 50V Ceramic	AB
C1926	VCKYTV1EB104K		0.1 25V Ceramic	AB
C1927	VCKYCZ1HB102K		1000p 50V Ceramic	AB
C1928	VCKYTV1EB104K		0.1 25V Ceramic	AB
C2701	VCKYCY1CF104Z		0.1 16V Ceramic	AA
C2702	VCKYCY1CF104Z		0.1 16V Ceramic	AA
C2703	VCSATA1AJ475M		4.7 10V Tantalum	AC
C3701	VCKYCY1CF104Z		0.1 16V Ceramic	AA
C3702	VCKYCY1CF104Z		0.1 16V Ceramic	AA
C3703	VCKYCY1CF104Z		0.1 16V Ceramic	AA
C3704	VCKYCY1EB103K		0.01 25V Ceramic	AA
C3705	VCKYCY1EB103K		0.01 25V Ceramic	AA
C3706	VCKYCY1EB103K		0.01 25V Ceramic	AA
C3707	VCKYCY1CB104K		0.1 16V Ceramic	AB
C3708	VCKYCY1CF104Z		0.1 16V Ceramic	AA
C3709	VCKYCY1CB473K		0.047 16V Ceramic	AA
C3710	VCKYCY1CB473K		0.047 16V Ceramic	AA
C3711	VCKYCY1HB472K		4700p 50V Ceramic	AA
C3712	VCKYTV1CF105Z		1.0 16V Ceramic	AB
C3713	VCKYCY1HB682K		6800p 50V Ceramic	AA
C3714	VCKYCY1HB682K		6800p 50V Ceramic	AA
C3715	VCKYCY1CF104Z		0.1 16V Ceramic	AA
C3716	VCSATA1AJ106M		10 10V Tantalum	AC
C3717	VCKYCY1CF104Z		0.1 16V Ceramic	AA
C3718	VCSATA1AJ106M		10 10V Tantalum	AC
C3719	VCKYCY1CF104Z		0.1 16V Ceramic	AA
C3720	VCKYCY1CF104Z		0.1 16V Ceramic	AA
C3721	VCKYCY1CF104Z		0.1 16V Ceramic	AA
C3722	VCKYTV1CF105Z		1.0 16V Ceramic	AB
C3723	VCKYCY1CF104Z		0.1 16V Ceramic	AA
C3724	VCKYCY1CF104Z		0.1 16V Ceramic	AA
C3725	VCKYCY1CB104K		0.1 16V Ceramic	AB
C4402	VCSATA1AJ106M		10 10V Tantalum	AC
C4403	VCKYCZ1HF103Z		0.01 50V Ceramic	AB
C4404	VCKYCZ1CB103K		0.01 16V Ceramic	AB
C4405	VCKYCZ1EB472K		4700p 25V Ceramic	AB
C4406	VCKYCZ1CB103K		0.01 16V Ceramic	AB
C4407	RC-KZ0051TAZZ		Capacitor	AC

Ref. No.	Part No.	★	Description	Code
C4408	VCKYTV1EB104K		0.1 25V Ceramic	AB
C4409	VCKYCZ1CB103K		0.01 16V Ceramic	AB
C4410	RC-KZ0051TAZZ		Capacitor	AC
C4411	VCKYCZ1CB103K		0.01 16V Ceramic	AB
C4413	VCSATA1AJ106M		10 10V Tantalum	AC
C4453	VCCCCZ1HH680J		68p 50V Ceramic	AB
C5401	VCKYCZ1CB103K		0.01 16V Ceramic	AB
C5402	VCCCCY1HH471J		470p 50V Ceramic	AA
C5403	VCCCCZ1HH820J		82p 50V Ceramic	AB
C5405	VCKYCZ1CB103K		0.01 16V Ceramic	AB
C5406	RC-KZ0051TAZZ		Capacitor	AC
C7401	VCCCCY1EH561J		560p 25V Ceramic	AA
C7404	VCCCCZ1HH470J		47p 50V Ceramic	AB
C7405	VCCCCZ1HH101J		100p 50V Ceramic	AB
C7406	VCCCCZ1HH121J		120p 50V Ceramic	AB
C7407	VCCCCZ1HH101J		100p 50V Ceramic	AB
C7409	VCCCCZ1HH100D		10p 50V Ceramic	AB
C7410	VCKYCZ1CB103K		0.01 16V Ceramic	AB
C8401	VCCCCZ1HH820J		82p 50V Ceramic	AB
C8402	VCCCCZ1HH560J		56p 50V Ceramic	AB
C8403	VCKYCZ1HF103Z		0.01 50V Ceramic	AB
C8404	VCCCCZ1HH150J		15p 50V Ceramic	AB
C8405	VCCCCZ1HH390J		39p 50V Ceramic	AB
C8406	VCCCCY1HH271J		270p 50V Ceramic	AA
C8407	VCKYCZ1CB103K		0.01 16V Ceramic	AB
C8408	VCCCCZ1HH330J		33p 50V Ceramic	AB
C8412	VCCCCY1HH471J		470p 50V Ceramic	AA
C8413	VCCCCZ1HH330J		33p 50V Ceramic	AB
C8414	VCKYCY1HB222K		2200p 50V Ceramic	AA
C8415	VCKYCY1HB222K		2200p 50V Ceramic	AA
C8416	RC-KZ0051TAZZ		Capacitor	AC
C9401	VCKYCY1HF103Z		0.01 50V Ceramic	AA
C9402	VCKYCZ1CB103K		0.01 16V Ceramic	AB
C9403	VCCCCZ1HH220J		22p 50V Ceramic	AB
C9404	VCCCCZ1HH220J		22p 50V Ceramic	AB

RESISTORS

R401	VRS-CZ1JF682J		6.8k 1/16W	Metal Oxide	AA
R403	VRS-CZ1JF682J		6.8k 1/16W	Metal Oxide	AA
R404	VRS-CZ1JF000J		00 1/16W	Metal Oxide	AA
R405	VRS-CZ1JF102D		1.0k 1/16W	Metal Oxide	AA
R406	VRS-CZ1JF621D		620 1/16W	Metal Oxide	AA
R407	VRS-CZ1JF751D		750 1/16W	Metal Oxide	AB
R409	VRS-CZ1JF102J		1.0k 1/16W	Metal Oxide	AA
R412	VRS-CZ1JF332J		3.3k 1/16W	Metal Oxide	AA
R413	VRS-CZ1JF684J		680k 1/16W	Metal Oxide	AA
R414	VRS-CZ1JF000J		00 1/16W	Metal Oxide	AA
R416	VRS-CZ1JF474J		470k 1/16W	Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
R420	VRS-CZ1JF471D		470 1/16W Metal Oxide	AA
R421	VRS-CZ1JF681J		680 1/16W Metal Oxide	AA
R423	VRS-CZ1JF222J		2.2k 1/16W Metal Oxide	AA
R424	VRS-CZ1JF302J		3.0k 1/16W Metal Oxide	AB
R425	VRS-CZ1JF122D		1.2k 1/16W Metal Oxide	AB
R426	VRS-CZ1JF431D		430 1/16W Metal Oxide	AA
R428	VRS-CZ1JF122D		1.2k 1/16W Metal Oxide	AB
R430	VRS-CZ1JF122D		1.2k 1/16W Metal Oxide	AB
R431	VRS-CZ1JF201D		200 1/16W Metal Oxide	AA
R433	VRS-CZ1JF473J		47k 1/16W Metal Oxide	AA
R434	VRS-CZ1JF471J		470 1/16W Metal Oxide	AA
R435	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R436	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R437	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R438	VRS-CZ1JF103D		10k 1/16W Metal Oxide	AB
R439	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R440	VRS-CZ1JF152D		1.5k 1/16W Metal Oxide	AB
R442	VRS-CZ1JF223D		22k 1/16W Metal Oxide	AB
R443	VRS-CZ1JF152D		1.5k 1/16W Metal Oxide	AB
R444	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R445	VRS-CZ1JF105J		1.0M 1/16W Metal Oxide	AA
R446	VRS-CZ1JF105J		1.0M 1/16W Metal Oxide	AA
R449	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R450	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R451	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R452	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R453	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R601	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R602	VRS-CZ1JF182J		1.8k 1/16W Metal Oxide	AA
R603	VRS-CZ1JF154J		150k 1/16W Metal Oxide	AA
R604	VRS-CZ1JF153J		15k 1/16W Metal Oxide	AA
R605	VRS-CZ1JF472J		4.7k 1/16W Metal Oxide	AA
R606	VRS-CZ1JF334J		330k 1/16W Metal Oxide	AA
R607	VRS-CZ1JF334J		330k 1/16W Metal Oxide	AA
R608	VRS-CZ1JF563J		56k 1/16W Metal Oxide	AA
R609	VRS-CZ1JF222J		2.2k 1/16W Metal Oxide	AA
R611	VRS-CZ1JF332J		3.3k 1/16W Metal Oxide	AA
R612	VRS-CZ1JF681J		680 1/16W Metal Oxide	AA
R614	VRS-CZ1JF122J		1.2k 1/16W Metal Oxide	AA
R615	VRS-CZ1JF561J		560 1/16W Metal Oxide	AA
R616	VRS-CZ1JF333J		33k 1/16W Metal Oxide	AA
R617	VRS-CZ1JF335J		3.3M 1/16W Metal Oxide	AA
R618	VRS-CZ1JF154J		150k 1/16W Metal Oxide	AA
R619	VRS-CZ1JF274J		270k 1/16W Metal Oxide	AA
R620	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R621	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R623	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R624	VRS-CZ1JF182J		1.8k 1/16W Metal Oxide	AA
R625	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R626	VRS-CZ1JF122J		1.2k 1/16W Metal Oxide	AA
R627	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R628	VRS-CZ1JF472J		4.7k 1/16W Metal Oxide	AA
R629	VRS-CZ1JF152J		1.5k 1/16W Metal Oxide	AA
R632	VRS-CZ1JF822J		8.2k 1/16W Metal Oxide	AA
R633	VRS-CZ1JF224J		220k 1/16W Metal Oxide	AA
R699	VRS-CZ1JF104J		100k 1/16W Metal Oxide	AA
R702	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R703	VRS-CZ1JF272J		2.7k 1/16W Metal Oxide	AA
R704	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R705	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R706	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R707	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R708	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R709	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R710	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R711	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R712	VRS-CZ1JF104J		100k 1/16W Metal Oxide	AA
R713	VRS-CZ1JF104J		100k 1/16W Metal Oxide	AA
R714	VRS-CZ1JF104J		100k 1/16W Metal Oxide	AA
R715	VRS-CZ1JF224J		220k 1/16W Metal Oxide	AA
R716	VRS-CZ1JF224J		220k 1/16W Metal Oxide	AA
R718	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R719	VRS-CZ1JF822J		8.2k 1/16W Metal Oxide	AA
R720	VRS-CZ1JF154J		150k 1/16W Metal Oxide	AA
R721	VRS-CZ1JF334J		330k 1/16W Metal Oxide	AA
R722	VRS-CZ1JF183J		18k 1/16W Metal Oxide	AA
R723	VRS-CZ1JF682J		6.8k 1/16W Metal Oxide	AA
R724	VRS-CZ1JF563D		56k 1/16W Metal Oxide	AA
R725	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R726	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R727	VRS-CZ1JF334J		330k 1/16W Metal Oxide	AA
R728	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R729	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R730	VRS-CZ1JF154J		150k 1/16W Metal Oxide	AA
R731	VRS-CZ1JF823J		82k 1/16W Metal Oxide	AA
R732	VRS-CZ1JF333J		33k 1/16W Metal Oxide	AA
R733	VRS-CZ1JF153J		15k 1/16W Metal Oxide	AA
R734	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R735	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R736	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R737	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R738	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R739	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R740	VRS-CZ1JF822J		8.2k 1/16W Metal Oxide	AA
R741	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R742	VRS-CZ1JF104J		100k 1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
R743	VRS-CZ1JF104J		100k 1/16W Metal Oxide	AA
R744	VRS-CZ1JF104J		100k 1/16W Metal Oxide	AA
R745	VRS-CZ1JF154J		150k 1/16W Metal Oxide	AA
R746	VRS-CZ1JF104J		100k 1/16W Metal Oxide	AA
R750	VRS-CZ1JF104J		100k 1/16W Metal Oxide	AA
R751	VRS-CZ1JF104J		100k 1/16W Metal Oxide	AA
R752	VRS-CZ1JF104J		100k 1/16W Metal Oxide	AA
R753	VRS-CZ1JF104J		100k 1/16W Metal Oxide	AA
R754	VRS-CZ1JF104J		100k 1/16W Metal Oxide	AA
R755	VRS-CZ1JF104J		100k 1/16W Metal Oxide	AA
R756	VRS-CZ1JF104J		100k 1/16W Metal Oxide	AA
R757	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R758	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R759	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R760	VRS-CZ1JF823J		82k 1/16W Metal Oxide	AA
R761	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R762	VRS-CZ1JF122J		1.2k 1/16W Metal Oxide	AA
R763	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R764	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R765	VRS-CZ1JF104J		100k 1/16W Metal Oxide	AA
R766	VRS-CZ1JF104J		100k 1/16W Metal Oxide	AA
R767	VRS-CZ1JF104J		100k 1/16W Metal Oxide	AA
R768	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R769	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R770	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R771	VRS-CZ1JF224J		220k 1/16W Metal Oxide	AA
R772	VRS-CZ1JF104J		100k 1/16W Metal Oxide	AA
R773	VRS-CZ1JF104J		100k 1/16W Metal Oxide	AA
R774	VRS-CZ1JF334J		330k 1/16W Metal Oxide	AA
R775	VRS-CZ1JF104J		100k 1/16W Metal Oxide	AA
R776	VRS-CZ1JF473J		47k 1/16W Metal Oxide	AA
R777	VRS-CZ1JF334J		330k 1/16W Metal Oxide	AA
R778	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R780	VRS-CZ1JF152J		1.5k 1/16W Metal Oxide	AA
R782	VRS-CZ1JF152J		1.5k 1/16W Metal Oxide	AA
R783	VRS-CZ1JF271J		270 1/16W Metal Oxide	AA
R784	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R785	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R786	VRS-CZ1JF152J		1.5k 1/16W Metal Oxide	AA
R787	VRS-CZ1JF271J		270 1/16W Metal Oxide	AA
R788	VRS-CZ1JF152J		1.5k 1/16W Metal Oxide	AA
R789	VRS-CZ1JF271J		270 1/16W Metal Oxide	AA
R800	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R801	VRS-CZ1JF823J		82k 1/16W Metal Oxide	AA
R802	VRS-CZ1JF823J		82k 1/16W Metal Oxide	AA
R805	VRS-CZ1JF304D		300k 1/16W Metal Oxide	AA
R809	VRS-CZ1JF363D		36k 1/16W Metal Oxide	AA
R810	VRS-CZ1JF563D		56k 1/16W Metal Oxide	AA
R811	VRS-CZ1JF473D		47k 1/16W Metal Oxide	AB
R812	VRS-CZ1JF393D		39k 1/16W Metal Oxide	AB
R815	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R816	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R817	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R818	VRS-CZ1JF303D		30k 1/16W Metal Oxide	AA
R819	VRS-CZ1JF203D		20k 1/16W Metal Oxide	AA
R820	VRS-CZ1JF333D		33k 1/16W Metal Oxide	AB
R821	VRS-CZ1JF273D		27k 1/16W Metal Oxide	AA
R825	VRS-CZ1JF105J		1.0M 1/16W Metal Oxide	AA
R826	VRS-CZ1JF124F		120k 1/16W Metal Oxide	AB
R828	VRS-CZ1JF223D		22k 1/16W Metal Oxide	AB
R829	VRS-CZ1JF163D		16k 1/16W Metal Oxide	AA
R831	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R832	VRS-CZ1JF152D		1.5k 1/16W Metal Oxide	AB
R833	VRS-CZ1JF183D		18k 1/16W Metal Oxide	AB
R835	VRS-CZ1JF272J		2.7k 1/16W Metal Oxide	AA
R836	VRS-CZ1JF562J		5.6k 1/16W Metal Oxide	AA
R837	VRS-CZ1JF822J		8.2k 1/16W Metal Oxide	AA
R838	VRS-CZ1JF334J		330k 1/16W Metal Oxide	AA
R839	VRS-CZ1JF334J		330k 1/16W Metal Oxide	AA
R841	VRS-CZ1JF393D		39k 1/16W Metal Oxide	AB
R842	VRS-CZ1JF393D	*	39k 1/16W Metal Oxide	AB
R847	VRS-CZ1JF105J		1.0M 1/16W Metal Oxide	AA
R849	VRS-CZ1JF473D		47k 1/16W Metal Oxide	AB
R850	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R851	VRS-CZ1JF393D		39k 1/16W Metal Oxide	AB
R853	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R854	VRS-CZ1JF563J		56k 1/16W Metal Oxide	AA
R855	VRS-CZ1JF104J		100k 1/16W Metal Oxide	AA
R858	VRS-CZ1JF223D		22k 1/16W Metal Oxide	AB
R859	VRS-CZ1JF273D		27k 1/16W Metal Oxide	AA
R860	VRS-CZ1JF223D		22k 1/16W Metal Oxide	AB
R861	VRS-CZ1JF223D		22k 1/16W Metal Oxide	AB
R862	VRS-CZ1JF563J		56k 1/16W Metal Oxide	AA
R865	VRS-CZ1JF103D		10k 1/16W Metal Oxide	AB
R866	VRS-CZ1JF393J		39k 1/16W Metal Oxide	AA
R867	VRS-CZ1JF223J		22k 1/16W Metal Oxide	AA
R868	VRS-CZ1JF473J		47k 1/16W Metal Oxide	AA
R869	VRS-CZ1JF472J		4.7k 1/16W Metal Oxide	AA
R870	VRS-CZ1JF472J		4.7k 1/16W Metal Oxide	AA
R871	VRS-CZ1JF683J		68k 1/16W Metal Oxide	AA
R872	VRS-CZ1JF105J		1.0M 1/16W Metal Oxide	AA
R873	VRS-CZ1JF683J		68k 1/16W Metal Oxide	AA
R874	VRS-CZ1JF473D		47k 1/16W Metal Oxide	AB
R876	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R877	VRS-CZ1JF223J		22k 1/16W Metal Oxide	AA
R878	VRS-CZ1JF104J		100k 1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
R879	VRS-CZ1JF564J		560k 1/16W Metal Oxide	AA
R880	VRS-CZ1JF333J		33k 1/16W Metal Oxide	AA
R882	VRS-CZ1JF561J		560 1/16W Metal Oxide	AA
R883	VRS-CZ1JF153D		15k 1/16W Metal Oxide	AB
R884	VRS-CZ1JF470J		47 1/16W Metal Oxide	AA
R885	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R886	VRS-CZ1JF105J		1.0M 1/16W Metal Oxide	AA
R887	VRS-CZ1JF561J		560 1/16W Metal Oxide	AA
R888	VRS-CZ1JF222D		2.2k 1/16W Metal Oxide	AA
R889	VRS-CZ1JF562D		5.6k 1/16W Metal Oxide	AB
R890	VRS-CZ1JF471J		470 1/16W Metal Oxide	AA
R892	VRS-CZ1JF123D		12k 1/16W Metal Oxide	AA
R894	VRS-CZ1JF123D		12k 1/16W Metal Oxide	AA
R895	VRS-CZ1JF391J		390 1/16W Metal Oxide	AA
R896	VRS-CZ1JF561J		560 1/16W Metal Oxide	AA
R897	VRS-CZ1JF471J		470 1/16W Metal Oxide	AA
R898	VRS-CZ1JF224J		220k 1/16W Metal Oxide	AA
R899	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R903	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R906	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R907	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R908	VRS-CZ1JF562J		5.6k 1/16W Metal Oxide	AA
R910	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R918	VRS-CZ1JF821D		820 1/16W Metal Oxide	AA
R919	VRS-CZ1JF123D		12k 1/16W Metal Oxide	AA
R920	VRS-CZ1JF152D		1.5k 1/16W Metal Oxide	AB
R922	VRS-CZ1JF272D		2.7k 1/16W Metal Oxide	AB
R923	VRS-CZ1JF123D		12k 1/16W Metal Oxide	AA
R924	VRS-CZ1JF152D		1.5k 1/16W Metal Oxide	AB
R925	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R926	VRS-CZ1JF222D		2.2k 1/16W Metal Oxide	AA
R927	VRS-CZ1JF472J		4.7k 1/16W Metal Oxide	AA
R928	VRS-CZ1JF681J		680 1/16W Metal Oxide	AA
R929	VRS-CZ1JF121D		120 1/16W Metal Oxide	AB
R930	VRS-CY1JFR22J		0.22 1/16W Metal Oxide	AA
R931	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R935	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R1403	VRS-CZ1JF332J		3.3k 1/16W Metal Oxide	AA
R1404	VRS-CZ1JF750J		75 1/16W Metal Oxide	AA
R1406	VRS-CZ1JF181J		180 1/16W Metal Oxide	AA
R1407	VRS-CZ1JF362J		3.6k 1/16W Metal Oxide	AA
R1408	VRS-CZ1JF682J		6.8k 1/16W Metal Oxide	AA
R1409	VRS-CZ1JF222J		2.2k 1/16W Metal Oxide	AA
R1410	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R1411	VRS-CZ1JF153J		15k 1/16W Metal Oxide	AA
R1701	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R1702	VRS-CZ1JF273J		27k 1/16W Metal Oxide	AA
R1703	VRS-CZ1JF223J		22k 1/16W Metal Oxide	AA
R1704	VRS-CZ1JF683J		68k 1/16W Metal Oxide	AA
R1720	VRS-CZ1JF472J		4.7k 1/16W Metal Oxide	AA
R1721	VRS-CZ1JF472J		4.7k 1/16W Metal Oxide	AA
R1722	VRS-CZ1JF472J		4.7k 1/16W Metal Oxide	AA
R1801	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R1802	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R1803	VRS-CZ1JF393D		39k 1/16W Metal Oxide	AB
R1804	VRS-CZ1JF331J		330 1/16W Metal Oxide	AA
R1805	VRS-CZ1JF331J		330 1/16W Metal Oxide	AA
R1806	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R1807	VRS-CZ1JF562J		5.6k 1/16W Metal Oxide	AA
R1808	VRS-CZ1JF124J		120k 1/16W Metal Oxide	AA
R1809	VRS-CZ1JF273D		27k 1/16W Metal Oxide	AA
R1810	VRS-CZ1JF183D		18k 1/16W Metal Oxide	AB
R1811	VRS-CZ1JF512J		5.1k 1/16W Metal Oxide	AB
R1812	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R1814	VRS-CZ1JF272D		2.7k 1/16W Metal Oxide	AB
R1817	VRS-CZ1JF474F		470k 1/16W Metal Oxide	AB
R1818	VRS-CZ1JF363D		36k 1/16W Metal Oxide	AA
R1901	VRS-CZ1JF332J		3.3k 1/16W Metal Oxide	AA
R1902	VRS-CZ1JF333D		33k 1/16W Metal Oxide	AB
R1904	VRS-CZ1JF105J		1.0M 1/16W Metal Oxide	AA
R1905	VRS-CZ1JF682D		6.8k 1/16W Metal Oxide	AB
R1906	VRS-CZ1JF103D		10k 1/16W Metal Oxide	AB
R1907	VRS-CZ1JF102D		1.0k 1/16W Metal Oxide	AA
R1908	VRS-CZ1JF333D		33k 1/16W Metal Oxide	AB
R1909	VRS-CZ1JF683D		68k 1/16W Metal Oxide	AB
R1910	VRS-CZ1JF105J		1.0M 1/16W Metal Oxide	AA
R1911	VRS-CZ1JF682D		6.8k 1/16W Metal Oxide	AB
R1912	VRS-CZ1JF182D		1.8k 1/16W Metal Oxide	AB
R1913	VRS-CZ1JF183D		18k 1/16W Metal Oxide	AB
R1914	VRS-CZ1JF333D		33k 1/16W Metal Oxide	AB
R1916	VRS-CZ1JF105J		1.0M 1/16W Metal Oxide	AA
R1917	VRS-CZ1JF153D		15k 1/16W Metal Oxide	AB
R1918	VRS-CZ1JF183D		18k 1/16W Metal Oxide	AB
R1919	VRS-CZ1JF182D		1.8k 1/16W Metal Oxide	AB
R1920	VRS-CZ1JF333D		33k 1/16W Metal Oxide	AB
R1921	VRS-CZ1JF563D		56k 1/16W Metal Oxide	AA
R1922	VRS-CZ1JF331D		330 1/16W Metal Oxide	AA
R1923	VRS-CZ1JF302D		3.0k 1/16W Metal Oxide	AA
R1924	VRS-CZ1JF104J		100k 1/16W Metal Oxide	AA
R1925	VRS-CZ1JF153D		15k 1/16W Metal Oxide	AB
R1926	VRS-CZ1JF103D		10k 1/16W Metal Oxide	AB
R1927	VRS-CZ1JF152D		1.5k 1/16W Metal Oxide	AB
R1928	VRS-CZ1JF393D		39k 1/16W Metal Oxide	AB
R1929	VRS-CZ1JF562D		5.6k 1/16W Metal Oxide	AB
R1932	VRS-CZ1JF182J		1.8k 1/16W Metal Oxide	AA
R1933	VRS-CZ1JF822J		8.2k 1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
R1934	VRS-CZ1JF333J		33k 1/16W Metal Oxide	AA
R1935	VRS-CZ1JF123J		12k 1/16W Metal Oxide	AA
R1936	VRS-CZ1JF333J		33k 1/16W Metal Oxide	AA
R1937	VRS-CZ1JF123J		12k 1/16W Metal Oxide	AA
R1938	VRS-CZ1JF104D		100k 1/16W Metal Oxide	AB
R1939	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R1940	VRS-CZ1JF333D		33k 1/16W Metal Oxide	AB
R1941	VRS-CZ1JF105J		1.0M 1/16W Metal Oxide	AA
R1942	VRS-CZ1JF104D		100k 1/16W Metal Oxide	AB
R1943	VRS-CZ1JF563D		56k 1/16W Metal Oxide	AA
R1944	VRS-CZ1JF562D		5.6k 1/16W Metal Oxide	AB
R1945	VRS-CZ1JF103D		10k 1/16W Metal Oxide	AB
R1946	VRS-CZ1JF272D		2.7k 1/16W Metal Oxide	AB
R1947	VRS-CZ1JF104D		100k 1/16W Metal Oxide	AB
R1948	VRS-CZ1JF183D		18k 1/16W Metal Oxide	AB
R1949	VRS-CZ1JF105J		1.0M 1/16W Metal Oxide	AA
R1950	VRS-CZ1JF683D		68k 1/16W Metal Oxide	AB
R1951	VRS-CZ1JF333D		33k 1/16W Metal Oxide	AB
R1952	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R1953	VRS-CZ1JF682J		6.8k 1/16W Metal Oxide	AA
R1954	VRS-CZ1JF153J		15k 1/16W Metal Oxide	AA
R1955	VRS-CZ1JF333J		33k 1/16W Metal Oxide	AA
R1956	VRS-CZ1JF183D		18k 1/16W Metal Oxide	AB
R1957	VRS-CZ1JF103D		10k 1/16W Metal Oxide	AB
R1958	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R1960	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R1961	VRS-CZ1JF682J		6.8k 1/16W Metal Oxide	AA
R1962	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R1963	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R1964	VRS-CZ1JF560J		56 1/16W Metal Oxide	AA
R1965	VRS-CZ1JF560J		56 1/16W Metal Oxide	AA
R1966	VRS-CZ1JF122J		1.2k 1/16W Metal Oxide	AA
R1967	VRS-CZ1JF272J		2.7k 1/16W Metal Oxide	AA
R1968	VRS-CZ1JF220J		22 1/16W Metal Oxide	AA
R1969	VRS-CZ1JF101J		100 1/16W Metal Oxide	AA
R1970	VRS-CZ1JF272J		2.7k 1/16W Metal Oxide	AA
R1979	VRS-CZ1JF183J		18k 1/16W Metal Oxide	AA
R2401	VRS-CZ1JF183J		18k 1/16W Metal Oxide	AA
R2402	VRS-CZ1JF183J		18k 1/16W Metal Oxide	AA
R2403	VRS-CZ1JF123J		12k 1/16W Metal Oxide	AA
R2404	VRS-CZ1JF223J		22k 1/16W Metal Oxide	AA
R2405	VRS-CZ1JF822J		8.2k 1/16W Metal Oxide	AA
R2406	VRS-CZ1JF512J		5.1k 1/16W Metal Oxide	AB
R2407	VRS-CZ1JF682J		6.8k 1/16W Metal Oxide	AA
R2408	VRS-CZ1JF682J		6.8k 1/16W Metal Oxide	AA
R2409	VRS-CZ1JF822J		8.2k 1/16W Metal Oxide	AA
R2410	VRS-CZ1JF822J		8.2k 1/16W Metal Oxide	AA
R2411	VRS-CZ1JF473J		47k 1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
R2412	VRS-CZ1JF473J		47k 1/16W Metal Oxide	AA
R2413	VRS-CZ1JF683J		68k 1/16W Metal Oxide	AA
R2414	VRS-CZ1JF683J		68k 1/16W Metal Oxide	AA
R2415	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R2416	VRS-CZ1JF822J		8.2k 1/16W Metal Oxide	AA
R2417	VRS-CZ1JF153J		15k 1/16W Metal Oxide	AA
R2418	VRS-CZ1JF332J		3.3k 1/16W Metal Oxide	AA
R2419	VRS-CZ1JF682J		6.8k 1/16W Metal Oxide	AA
R2420	VRS-CZ1JF822J		8.2k 1/16W Metal Oxide	AA
R2421	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R2423	VRS-CZ1JF223J		22k 1/16W Metal Oxide	AA
R2730	VRS-CZ1JF224J		220k 1/16W Metal Oxide	AA
R2741	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R2748	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R2753	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R2754	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R2755	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R2756	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R2757	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R2761	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R2779	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R2781	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R3701	VRS-CZ1JF822D		8.2k 1/16W Metal Oxide	AA
R3702	VRS-CZ1JF822D		8.2k 1/16W Metal Oxide	AA
R3703	VRS-CZ1JF822D		8.2k 1/16W Metal Oxide	AA
R3704	VRS-CY1JF1R0J		1.0 1/16W Metal Oxide	AA
R3705	VRS-CY1JF1R0J		1.0 1/16W Metal Oxide	AA
R3706	VRS-CZ1JF105J		1.0M 1/16W Metal Oxide	AA
R3707	VRS-CZ1JF223J		22k 1/16W Metal Oxide	AA
R3708	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R3709	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R3710	VRS-CZ1JF473J		47k 1/16W Metal Oxide	AA
R3711	VRS-CZ1JF473J		47k 1/16W Metal Oxide	AA
R3712	VRS-CZ1JF220J		22 1/16W Metal Oxide	AA
R3713	VRS-CZ1JF220J		22 1/16W Metal Oxide	AA
R3714	VRS-CZ1JF103D		10k 1/16W Metal Oxide	AB
R4402	VRS-CZ1JF222J		2.2k 1/16W Metal Oxide	AA
R4403	VRS-CZ1JF152J		1.5k 1/16W Metal Oxide	AA
R4407	VRS-CZ1JF821J		820 1/16W Metal Oxide	AA
R4414	VRS-CZ1JF223J		22k 1/16W Metal Oxide	AA
R4415	VRS-CZ1JF243J		24k 1/16W Metal Oxide	AA
R4416	VRS-CZ1JF821J		820 1/16W Metal Oxide	AA
R4417	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R4418	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R5402	VRS-CZ1JF242J		2.4k 1/16W Metal Oxide	AA
R5403	VRS-CZ1JF202J		2.0k 1/16W Metal Oxide	AA
R5404	VRS-CZ1JF122J		1.2k 1/16W Metal Oxide	AA
R5405	VRS-CZ1JF122J		1.2k 1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
R5406	VRS-CZ1JF431J		430 1/16W Metal Oxide	AA
R5407	VRS-CZ1JF223J		22k 1/16W Metal Oxide	AA
R5408	VRS-CZ1JF152J		1.5k 1/16W Metal Oxide	AA
R5409	VRS-CZ1JF223J		22k 1/16W Metal Oxide	AA
R5410	VRS-CZ1JF821J		820 1/16W Metal Oxide	AA
R5412	VRS-CZ1JF911J		910 1/16W Metal Oxide	AA
R5413	VRS-CZ1JF431J		430 1/16W Metal Oxide	AA
R5414	VRS-CZ1JF182J		1.8k 1/16W Metal Oxide	AA
R5415	VRS-CZ1JF222J		2.2k 1/16W Metal Oxide	AA
R5416	VRS-CZ1JF821J		820 1/16W Metal Oxide	AA
R5417	VRS-CZ1JF472J		4.7k 1/16W Metal Oxide	AA
R7401	VRS-CZ1JF332J		3.3k 1/16W Metal Oxide	AA
R7402	VRS-CZ1JF222J		2.2k 1/16W Metal Oxide	AA
R7408	VRS-CZ1JF222J		2.2k 1/16W Metal Oxide	AA
R7409	VRS-CZ1JF561J		560 1/16W Metal Oxide	AA
R7410	VRS-CZ1JF561J		560 1/16W Metal Oxide	AA
R7411	VRS-CZ1JF331J		330 1/16W Metal Oxide	AA
R7412	VRS-CZ1JF472J		4.7k 1/16W Metal Oxide	AA
R7413	VRS-CZ1JF181J		180 1/16W Metal Oxide	AA
R7414	VRS-CZ1JF153J		15k 1/16W Metal Oxide	AA
R7415	VRS-CZ1JF182J		1.8k 1/16W Metal Oxide	AA
R7416	VRS-CZ1JF222J		2.2k 1/16W Metal Oxide	AA
R7451	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R8402	VRS-CZ1JF152J		1.5k 1/16W Metal Oxide	AA
R8403	VRS-CZ1JF331J		330 1/16W Metal Oxide	AA
R8404	VRS-CZ1JF471J		470 1/16W Metal Oxide	AA
R8405	VRS-CZ1JF471J		470 1/16W Metal Oxide	AA
R8406	VRS-CZ1JF221J		220 1/16W Metal Oxide	AA
R8407	VRS-CZ1JF392J		3.9k 1/16W Metal Oxide	AA
R8408	VRS-CZ1JF152J		1.5k 1/16W Metal Oxide	AA
R8409	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R8410	VRS-CZ1JF821J		820 1/16W Metal Oxide	AA
R8411	VRS-CZ1JF471J		470 1/16W Metal Oxide	AA
R8412	VRS-CZ1JF471J		470 1/16W Metal Oxide	AA
R8413	VRS-CZ1JF101J		100 1/16W Metal Oxide	AA
R8414	VRS-CZ1JF222J		2.2k 1/16W Metal Oxide	AA
R8415	VRS-CZ1JF561J		560 1/16W Metal Oxide	AA
R8416	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R8417	VRS-CZ1JF152J		1.5k 1/16W Metal Oxide	AA
R8418	VRS-CZ1JF182J		1.8k 1/16W Metal Oxide	AA
R8419	VRS-CZ1JF821J		820 1/16W Metal Oxide	AA
R8420	VRS-CZ1JF122J		1.2k 1/16W Metal Oxide	AA
R8423	VRS-CZ1JF152J		1.5k 1/16W Metal Oxide	AA
R8424	VRS-CZ1JF152J		1.5k 1/16W Metal Oxide	AA
R8425	VRS-CZ1JF182J		1.8k 1/16W Metal Oxide	AA
R8426	VRS-CZ1JF181J		180 1/16W Metal Oxide	AA
R8427	VRS-CZ1JF821J		820 1/16W Metal Oxide	AA
R8428	VRS-CZ1JF122J		1.2k 1/16W Metal Oxide	AA
R8429	VRS-CZ1JF272J		2.7k 1/16W Metal Oxide	AA
R8430	VRS-CZ1JF152J		1.5k 1/16W Metal Oxide	AA
R8431	VRS-CZ1JF821J		820 1/16W Metal Oxide	AA
R8432	VRS-CZ1JF472J		4.7k 1/16W Metal Oxide	AA
R8451	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R8452	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R9402	VRS-CZ1JF152J		1.5k 1/16W Metal Oxide	AA
R9403	VRS-CZ1JF152J		1.5k 1/16W Metal Oxide	AA
R9404	VRS-CZ1JF152J		1.5k 1/16W Metal Oxide	AA
R9405	VRS-CZ1JF272J		2.7k 1/16W Metal Oxide	AA
R9406	VRS-CZ1JF152J		1.5k 1/16W Metal Oxide	AA
R9451	VRS-CZ1JF333J		33k 1/16W Metal Oxide	AA
R9452	VRS-CZ1JF223J		22k 1/16W Metal Oxide	AA
R9494	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R9495	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R9496	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R9498	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R9499	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R9901	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R9902	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R9903	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R9904	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R9905	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R9906	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R9907	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R9908	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA
R9916	VRS-CZ1JF000J		00 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

P601	QPLGN0263TAZZ	Plug	AB
P901	QPLGN0664TAZZ	Plug	AD
P902	QPLGN0364TAZZ	Plug	AC
P2601	QPLGN0264TAZZ	Plug	AC
SC601	QSOCN1171TAZZ	Socket	AD
SC804	QSOCN2486TAZZ	Socket	AE
SC901	QSOCN0787TAZZ	Socket	AC
SC902	QSOCN1786TAZZ	Socket	AE
SC903	QSOCN1586TAZZ	Socket	AD
SC4701	QSOCN0860TAZZ	Socket	AE
SLD1	PSLDM3239TAFW	Shield	AC
SLD2	PSLDM3238TAFW	Shield	AC
	RRMCK0034TAZZ	Remote Control Pause	AT

DUNTK2785PM01 CAMERA UNIT(VL-E760U)
DUNTK2785PM02 CAMERA UNIT(VL-E765U)

INTEGRATED CIRCUITS

IC11	VHiUPD16510-1	UPD16510GR-8JG	AR

Ref. No.	Part No.	★	Description	Code
IC12	VHiLR38590/-1		LR38590	AR
IC101	VHiCXA2006Q-1		CXA2006Q	AV
IC102	VHiCXD2310A-1		CXD2310AR	AV
IC201	RH-iX0470TAZZ		HG73C002TE	AY
IC251	RH-iX0490TAZZ		IX0490TA	BB
IC252	VHiMS548331-1		MSM548331TS-K	BD
IC501	RH-iX0589TAZZ		UPD784037GK513	AX
IC502	VHiMB8346BV-1		MB88346BPFV	AN
IC503	VHiPST597KN-1		IC-PST597KNR	AF
IC551	VHiMM1298XQ-1		MM1298XQ	AV
IC552	VHiNJM2902V-1		NJM2902V	AD
IC553	VHiNJM3414V-1		NJM3414AV	AF
			TRANSISTORS	
Q11	VSUMX2/////-1		Transistor	AB
Q201	VSUMX2/////-1		Transistor	AB
Q202	VSUMT2/////-1		Transistor	AB
Q203	VS2SC4617B/-1		Transistor	AA
Q552	VSDTA114TE/-1		Transistor	AA
			DIODES AND LED'S	
D501	VHDDA121///-1		Diode	AA
D551	VHDDA121///-1		Diode	AA
			PACKAGED CIRCUIT	
X11	RCRSZ0040TAZZ		Crystal	AS
			COIL AND TRANSFORMERS	
CF501	RFiLC0071TAZZ		Filter	AE
L11	VPAXM100KR42N		Peaking 10µH 10%	AC
L12	VPAXM470K1R7N		Peaking 47µH 10%	AC
L101	VPAXM100KR42N		Peaking 10µH 10%	AC
L102	VPAXM470K1R7N		Peaking 47µH 10%	AC
L201	VPAXM100KR42N		Peaking 10µH 10%	AC
L202	VPAXM470K1R7N		Peaking 47µH 10%	AC
L203	VPAWM100K1R5N		Peaking 10µH 10%	AC
L205	VPABM3R9J1R6N		Peaking 3.9µH 5%	AD
L207	VPAXM100KR42N		Peaking 10µH 10%	AC
L251	VPAXM100KR42N		Peaking 10µH 10%	AC
L252	VPAXM100KR42N		Peaking 10µH 10%	AC
L501	VPAXM100KR42N		Peaking 10µH 10%	AC
L551	VPAXM220KR88N		Peaking 22µH 10%	AC
L552	VPAXM220KR88N		Peaking 22µH 10%	AC
			CAPACITORS	
C11	VCKYCZ1AF104Z		0.1 10V Ceramic	AB
C12	VCKYCZ1AF104Z		0.1 10V Ceramic	AB
C13	VCKYTV1HB103K		0.01 50V Ceramic	AA

Ref. No.	Part No.	★	Description	Code
C14	VCSATE1DJ475M		4.7 20V Tantalum	AD
C15	VCKYCZ1AF104Z		0.1 10V Ceramic	AB
C16	VCKYCZ1AF104Z		0.1 10V Ceramic	AB
C17	VCSATJ1VJ685M		6.8 35V Tantalum	AE
C18	VCKYCZ1HF103Z		0.01 50V Ceramic	AB
C19	VCKYCZ1AF104Z		0.1 10V Ceramic	AB
C20	VCSATA1AJ106M		10 10V Tantalum	AC
C21	RC-KZ0051TAZZ		Capacitor	AC
C22	RC-KZ0051TAZZ		Capacitor	AC
C23	VCKYCZ1HB102K		1000p 50V Ceramic	AB
C24	VCCCCZ1HH6R0D		6.0p 50V Ceramic	AA
C25	RC-JZ0001TAZZ		Capacitor	AC
C101	VCKYTV1AB105K		1.0 10V Ceramic	AD
C102	VCKYTV1AB105K		1.0 10V Ceramic	AD
C103	VCKYCZ1AF104Z		0.1 10V Ceramic	AB
C104	VCKYCZ1HF103Z		0.01 50V Ceramic	AB
C105	VCKYCZ1HF103Z		0.01 50V Ceramic	AB
C106	VCKYCZ1AF104Z		0.1 10V Ceramic	AB
C107	VCKYCY1EB223K		0.022 25V Ceramic	AA
C108	RC-KZ0051TAZZ		Capacitor	AC
C110	VCSATA1AJ106M		10 10V Tantalum	AC
C111	VCKYCZ1AF104Z		0.1 10V Ceramic	AB
C112	VCKYCZ1AF104Z		0.1 10V Ceramic	AB
C113	VCKYCZ1AF104Z	★	0.1 10V Ceramic	AB
C114	VCCCCZ1HH470J		47p 50V Ceramic	AB
C115	VCKYCZ1AF104Z		0.1 10V Ceramic	AB
C116	VCSATA0JJ156M		15 6.3V Tantalum	AC
C117	VCKYCZ1HF103Z		0.01 50V Ceramic	AB
C118	VCKYCZ1HF103Z		0.01 50V Ceramic	AB
C201	RC-KZ0051TAZZ		Capacitor	AC
C202	VCCCCZ1HH100D		10p 50V Ceramic	AB
C203	RC-KZ0051TAZZ		Capacitor	AC
C205	VCCCCZ1HH750J		75p 50V Ceramic	AB
C206	VCKYCZ1AF104Z		0.1 10V Ceramic	AB
C207	VCKYCZ1AF104Z		0.1 10V Ceramic	AB
C208	VCKYCZ1AF104Z		0.1 10V Ceramic	AB
C209	VCKYCZ1AF104Z		0.1 10V Ceramic	AB
C210	VCKYCZ1AF104Z		0.1 10V Ceramic	AB
C211	VCKYCZ1AF104Z		0.1 10V Ceramic	AB
C212	VCKYCZ1AF104Z		0.1 10V Ceramic	AB
C213	VCKYCZ1AF104Z		0.1 10V Ceramic	AB
C214	RC-KZ0051TAZZ		Capacitor	AC
C215	RC-KZ0051TAZZ		Capacitor	AC
C251	VCSATA0JJ156M		15 6.3V Tantalum	AC
C252	VCKYCZ1HF103Z		0.01 50V Ceramic	AB
C253	VCKYCZ1HF103Z		0.01 50V Ceramic	AB
C254	VCKYCZ1HF103Z		0.01 50V Ceramic	AB
C255	VCKYCZ1AF104Z		0.1 10V Ceramic	AB

Ref. No.	Part No.	★	Description			Code
C256	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C257	VCKYCZ1AF104Z		0.1	10V	Ceramic	AB
C258	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C259	VCKYCZ1AF104Z		0.1	10V	Ceramic	AB
C260	VCSATA0JJ156M		15	6.3V	Tantalum	AC
C261	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C501	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C502	VCSATA1AJ106M		10	10V	Tantalum	AC
C503	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C504	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C505	VCKYCZ1AF104Z		0.1	10V	Ceramic	AB
C551	VCSATE1CJ156M		15	16V	Tantalum	AD
C553	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C554	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C555	VCSATA1AJ106M		10	10V	Tantalum	AC
C559	VCSATA1AJ106M		10	10V	Tantalum	AC
C560	VCSATA1AJ106M		10	10V	Tantalum	AC
C561	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C562	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C563	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C564	VCKYCZ1AF104Z		0.1	10V	Ceramic	AB
C565	VCSATA1AJ106M		10	10V	Tantalum	AC
C566	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C567	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB
C568	VCCCCZ1HH151J		150p	50V	Ceramic	AB
C569	VCKYCY1AF105Z		1.0	10V	Ceramic	AC
C570	VCKYCZ1HF103Z		0.01	50V	Ceramic	AB

RESISTORS

Ref. No.	Part No.	★				Code
R13	VRS-CZ1JF000J		00	1/16W	Metal Oxide	AA
R15	VRS-CZ1JF102J		1.0k	1/16W	Metal Oxide	AA
R16	VRS-CZ1JF102J		1.0k	1/16W	Metal Oxide	AA
R17	VRS-CZ1JF222J		2.2k	1/16W	Metal Oxide	AA
R18	VRS-CZ1JF822J		8.2k	1/16W	Metal Oxide	AA
R19	VRS-CZ1JF102J		1.0k	1/16W	Metal Oxide	AA
R20	VRS-CZ1JF330J		33	1/16W	Metal Oxide	AA
R23	VRS-CZ1JF105J		1.0M	1/16W	Metal Oxide	AA
R24	VRS-CZ1JF561J		560	1/16W	Metal Oxide	AA
R101	VRS-CZ1JF153D		15k	1/16W	Metal Oxide	AB
R102	VRS-CZ1JF244F		240k	1/16W	Metal Oxide	AA
R103	VRS-CZ1JF273J		27k	1/16W	Metal Oxide	AA
R104	VRS-CZ1JF223J		22k	1/16W	Metal Oxide	AA
R105	VRS-CZ1JF682J		6.8k	1/16W	Metal Oxide	AA
R106	VRS-CZ1JF563J		56k	1/16W	Metal Oxide	AA
R111	VRS-CZ1JF220J		22	1/16W	Metal Oxide	AA
R112	VRS-CZ1JF104J		100k	1/16W	Metal Oxide	AA
R201	VRS-CZ1JF182J		1.8k	1/16W	Metal Oxide	AA
R202	VRS-CZ1JF681J		680	1/16W	Metal Oxide	AA
R203	VRS-CZ1JF473J		47k	1/16W	Metal Oxide	AA
R204	VRS-CZ1JF683J		68k	1/16W	Metal Oxide	AA
R205	VRS-CZ1JF273J		27k	1/16W	Metal Oxide	AA
R206	VRS-CZ1JF123J		12k	1/16W	Metal Oxide	AA
R207	VRS-CZ1JF471J		470	1/16W	Metal Oxide	AA
R208	VRS-CZ1JF822J		8.2k	1/16W	Metal Oxide	AA
R209	VRS-CZ1JF471J		470	1/16W	Metal Oxide	AA
R210	VRS-CZ1JF332J		3.3k	1/16W	Metal Oxide	AA
R211	VRS-CZ1JF682J		6.8k	1/16W	Metal Oxide	AA
R212	VRS-CZ1JF471J		470	1/16W	Metal Oxide	AA
R213	VRS-CZ1JF471J		470	1/16W	Metal Oxide	AA
R214	VRS-CZ1JF471J		470	1/16W	Metal Oxide	AA
R216	VRS-CZ1JF392J		3.9k	1/16W	Metal Oxide	AA
R217	VRS-CZ1JF103J		10k	1/16W	Metal Oxide	AA
R252	VRS-CZ1JF000J		00	1/16W	Metal Oxide	AA
R254	VRS-CZ1JF000J		00	1/16W	Metal Oxide	AA
R256	VRS-CZ1JF000J		00	1/16W	Metal Oxide	AA
R501	VRS-CZ1JF103J		10k	1/16W	Metal Oxide	AA
R503	VRS-CZ1JF123J		12k	1/16W	Metal Oxide	AA
R504	VRS-CZ1JF102J		1.0k	1/16W	Metal Oxide	AA
R505	VRS-CZ1JF102J		1.0k	1/16W	Metal Oxide	AA
R506	VRS-CZ1JF102J		1.0k	1/16W	Metal Oxide	AA
R507	VRS-CZ1JF102J		1.0k	1/16W	Metal Oxide	AA
R508	VRS-CZ1JF102J		1.0k	1/16W	Metal Oxide	AA
R509	VRS-CZ1JF103J		10k	1/16W	Metal Oxide	AA
R510	VRS-CZ1JF223J		22k	1/16W	Metal Oxide	AA
R512	VRS-CZ1JF103J		10k	1/16W	Metal Oxide	AA
R516	VRS-CZ1JF000J		00	1/16W	Metal Oxide	AA
R517	VRS-CZ1JF102J		1.0k	1/16W	Metal Oxide	AA
R518	VRS-CZ1JF153J		15k	1/16W	Metal Oxide	AA
R519	VRS-CZ1JF102J		1.0k	1/16W	Metal Oxide	AA
R520	VRS-CZ1JF102J		1.0k	1/16W	Metal Oxide	AA
R521	VRS-CZ1JF102J		1.0k	1/16W	Metal Oxide	AA
R522	VRS-CZ1JF103J		10k	1/16W	Metal Oxide	AA
R523	VRS-CZ1JF102J		1.0k	1/16W	Metal Oxide	AA
R524	VRS-CZ1JF223J		22k	1/16W	Metal Oxide	AA
R525	VRS-CZ1JF103J		10k	1/16W	Metal Oxide	AA
R526	VRS-CZ1JF224J		220k	1/16W	Metal Oxide	AA
R527	VRS-CZ1JF224J		220k	1/16W	Metal Oxide	AA
R528	VRS-CZ1JF102J		1.0k	1/16W	Metal Oxide	AA
R529	VRS-CZ1JF102J		1.0k	1/16W	Metal Oxide	AA
R530	VRS-CZ1JF102J		1.0k	1/16W	Metal Oxide	AA
R531	VRS-CZ1JF102J		1.0k	1/16W	Metal Oxide	AA
R532	VRS-CZ1JF203J		20k	1/16W	Metal Oxide	AA
R533	VRS-CZ1JF102J		1.0k	1/16W	Metal Oxide	AA
R561	VRS-CZ1JF223J		22k	1/16W	Metal Oxide	AA
R563	VRS-CZ1JF223J		22k	1/16W	Metal Oxide	AA
R569	VRS-CZ1JF103J		10k	1/16W	Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
R570	VRS-CZ1JF682J		6.8k 1/16W Metal Oxide	AA
R571	VRS-CZ1JF392J		3.9k 1/16W Metal Oxide	AA
R573	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R574	VRS-CZ1JF912J		9.1k 1/16W Metal Oxide	AB
R575	VRS-CZ1JF104J		100k 1/16W Metal Oxide	AA
R576	VRS-CZ1JF153J		15k 1/16W Metal Oxide	AA
R577	VRS-CZ1JF102J		1.0k 1/16W Metal Oxide	AA
R578	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R581	VRS-CZ1JF562J		5.6k 1/16W Metal Oxide	AA
R582	VRS-CZ1JF334F		330k 1/16W Metal Oxide	AB
R583	VRS-CZ1JF474J		470k 1/16W Metal Oxide	AA
R584	VRS-CZ1JF221J		220 1/16W Metal Oxide	AA
R585	VRS-CZ1JF221J		220 1/16W Metal Oxide	AA
R586	VRS-CZ1JF103D		10k 1/16W Metal Oxide	AB
R587	VRS-CZ1JF122J		1.2k 1/16W Metal Oxide	AA
R588	VRS-CZ1JF472J		4.7k 1/16W Metal Oxide	AA
R589	VRS-CZ1JF222J		2.2k 1/16W Metal Oxide	AA
R590	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R591	VRS-CZ1JF474J		470k 1/16W Metal Oxide	AA
R592	VRS-CZ1JF682J		6.8k 1/16W Metal Oxide	AA
R593	VRS-CZ1JF682J		6.8k 1/16W Metal Oxide	AA
R594	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R595	VRS-CZ1JF272D		2.7k 1/16W Metal Oxide	AB
R596	VRS-CZ1JF153D		15k 1/16W Metal Oxide	AB
R597	VRS-CZ1JF244F		240k 1/16W Metal Oxide	AA
R598	VRS-CZ1JF103J		10k 1/16W Metal Oxide	AA
R599	VRS-CZ1JF471J		470 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

SC2	QSOCN1987TAZZ	Socket	AE
SC3	QSOCN1587TAZZ	Socket	AD
SC4	QSOCN1786TAZZ	Socket	AE
SC5	QSOCN0860TAZZ	Socket	AE
SC6	QSOCN2086TAZZ	Socket	AD
SC9	QSOCN1860TAZZ	Socket	AE
SLD3	PSLDM3321TAFW	Shield	AD
SLD4	PSLDM3322TAFW	Shield	AD

DUNTK2800PM00 CCD UNIT

INTEGRATED CIRCUIT

IC2	VHi24LC8BiN-1	24LC08BT-I/SN	AM

TRANSISTOR

Q1	VS2SC4627CD-1	Transistor	AB

Ref. No.	Part No.	★	Description	Code

CAPACITORS

C1	VCKYCY1HB102K	1000p	50V	Ceramic	AA
C2	VCCCCY1HH2R0C	2.0p	50V	Ceramic	AA
C3	VCKYTV1HF103Z	0.01	50V	Ceramic	AA
C4	VCCCCY1HH221J	220p	50V	Ceramic	AA
C5	VCKYTQ1CF225Z	2.2	16V	Ceramic	AB
C6	VCKYCY1HF103Z	0.01	50V	Ceramic	AA

RESISTORS

R1	VRS-CY1JF105J	1.0M	1/16W	Metal Oxide	AA
R5	VRS-CY1JF105J	1.0M	1/16W	Metal Oxide	AA
R2	VRS-CY1JF101J	100	1/16W	Metal Oxide	AA
R4	VRS-CY1JF101J	100	1/16W	Metal Oxide	AA
R3	VRS-CY1JF472J	4.7k	1/16W	Metal Oxide	AA

MISCELLANEOUS PART

SC1	QSOCN1986TAZZ	Socket	AF

RAMP-0017TAN0 HEAD AMP UNIT

INTEGRATED CIRCUIT

IC301	VHiAN3358SH-1	H/A IC	AQ

TRANSISTORS

Q301	VSUMG2/////-1	Transistor	AC
	or		
	VSXP1213///-1	Transistor	AB
Q341	VS2SB709A/Q1E	Transistor	AC
Q342	VS2SB709A/Q1E	Transistor	AC
Q343	VSDTC144EE/-1	Transistor	AA
	or		
	VSUN9213///-1	Transistor	AA

COILS

L301	VP-NM220K1R0N	Peaking	22µH	10%	AB
	or				
	VPAXM220KR88N	Peaking	22µH	10%	AC
L341	VPABM100J2R6N	Peaking	10µH	5%	AC
	or				
	VPAWM100J2R6N	Peaking	10µH	5%	AC
L342	VPABM101J160N	Peaking	100µH	5%	AC

CAPACITORS

C305	VCKYCY1HF103Z	0.01µF	50V	Ceramic	AA
C306	VCCCCY1HH820J	82pF	50V	Ceramic	AA
C307	VCCCCY1HH820J	82pF	50V	Ceramic	AA
C308	VCKYCY1HF103Z	0.01µF	50V	Ceramic	AA
C309	VCKYCY1CF104Z	0.1µF	16V	Ceramic	AA

Ref. No.	Part No.	★	Description	Code
C310	VCKYCY1CF104Z		0.1µF 16V Ceramic	AA
C311	VCKYCY1HF103Z		0.01µF 50V Ceramic	AA
C312	VCKYCY1HF103Z		0.01µF 50V Ceramic	AA
C313	VCSATE1AJ226M		22µF 10V Tantalum	AD
C314	VCKYCY1HF103Z		0.01µF 50V Ceramic	AA
C320	VCKYCY1HF103Z		0.01µF 50V Ceramic	AA
C321	VCKYCY1HF103Z		0.01µF 50V Ceramic	AA
C340	VCCCCY1HH101J		100pF 50V Ceramic	AA
C341	VCCCCY1HH151J		150pF 50V Ceramic	AA
C342	VCCCCY1HH101J		100pF 50V Ceramic	AA
C344	VCKYCY1CF104Z		0.1µF 16V Ceramic	AA
C345	VCKYCY1CF104Z		0.1µF 16V Ceramic	AA
C346	VCKYCY1HB102K		1000pF 50V Ceramic	AA
C349	VCCCCY1HH680J		68pF 50V Ceramic	AA
C350	VCKYCY1HF103Z		0.01µF 50V Ceramic	AA
C351	VCKYCY1HF103Z		0.01µF 50V Ceramic	AA
C352	VCCCCY1HH680J		68pF 50V Ceramic	AA

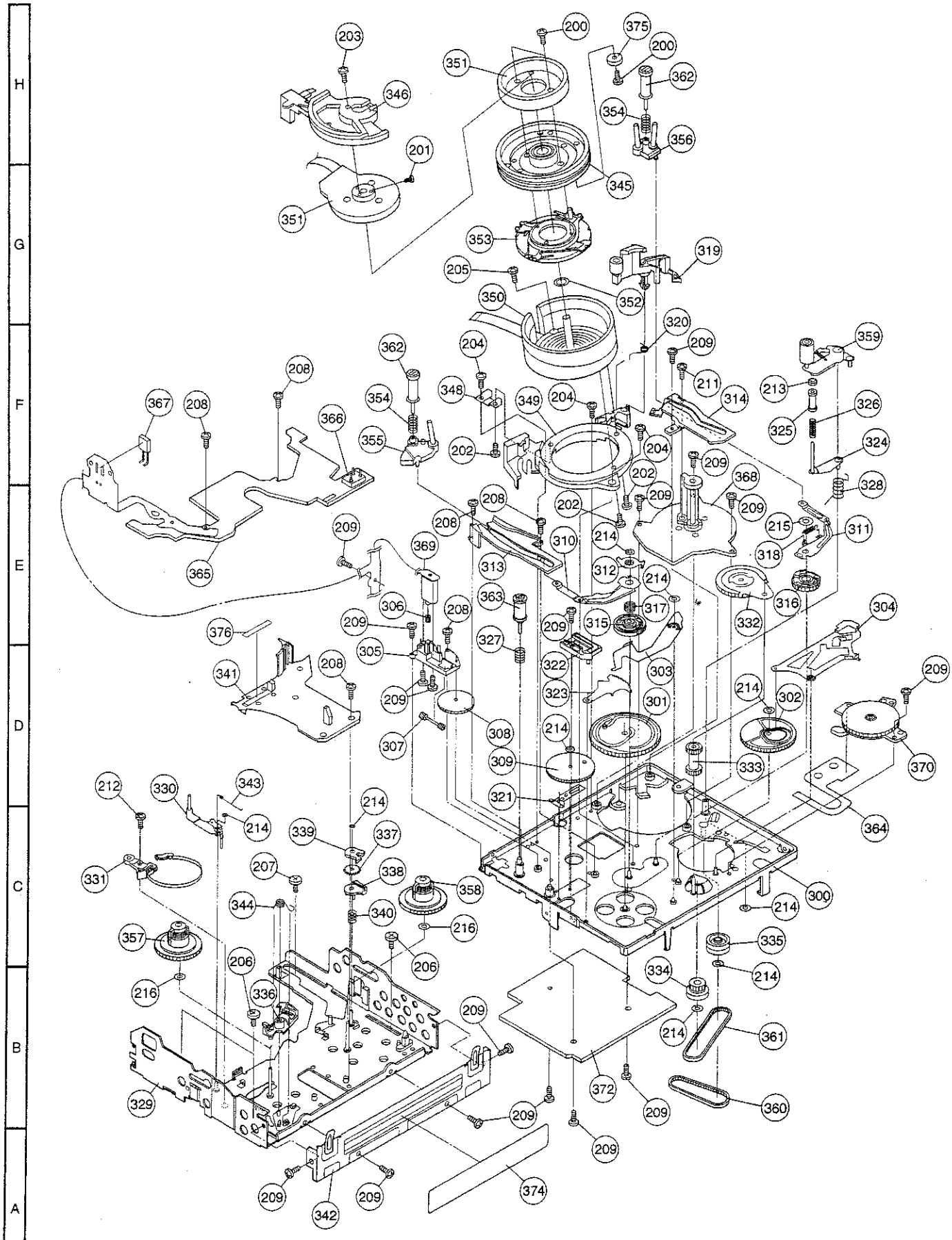
RESISTORS

R302	VRS-CY1JF562J		5.6k 1/16W Metal Oxide		AA
R303	VRS-CY1JF562J		5.6k 1/16W Metal Oxide		AA
R310	VRS-CY1JF181J		180 1/16W Metal Oxide		AA
R311	VRS-CY1JF120J		12 1/16W Metal Oxide		AA
R312	VRS-CY1JF120J		12 1/16W Metal Oxide		AA
R315	VRS-CY1JF392J		3.9k 1/16W Metal Oxide		AA
R321	VRS-CY1JF472J		4.7k 1/16W Metal Oxide		AA
R330	VRS-CY1JF332J		3.3k 1/16W Metal Oxide		AA
R331	VRS-CY1JF102J		1k 1/16W Metal Oxide		AA
R332	VRS-CY1JF391J		390 1/16W Metal Oxide		AA
R333	VRS-CY1JF000J		0 1/16W Metal Oxide		AA
R340	VRS-CY1JF680J		68 1/16W Metal Oxide		AA
R342	VRS-CY1JF271J		270 1/16W Metal Oxide		AA
R343	VRS-CY1JF221J		220 1/16W Metal Oxide		AA
R344	VRS-CY1JF223J		22k 1/16W Metal Oxide		AA
R345	VRS-CY1JF333J		33k 1/16W Metal Oxide		AA
R350	VRS-CY1JF123J		12k 1/16W Metal Oxide		AA
R351	VRS-CY1JF682J		6.8k 1/16W Metal Oxide		AA
R352	VRS-CY1JF563J		56k 1/16W Metal Oxide		AA
R353	VRS-CY1JF153J		15k 1/16W Metal Oxide		AA
R398	VRS-CY1JF000J		0 1/16W Metal Oxide		AA
R399	VRS-CY1JF000J		0 1/16W Metal Oxide		AA

CONNECTERS

SC301	QSOCN0985TAZZ	Socket	AE
SC302	QSOCN1886TAZZ	Socket	AD
SC303	QSOCN1560TAZZ	Socket	AE
SC304	QSOCN0686TAZZ	Socket	AC
SC305	QCNCW7068TAZZ	Connector	AG
SC306	QSOCN1085TAZZ	Socket	AE

MECHANISM CHASSIS EXPLODED VIEW



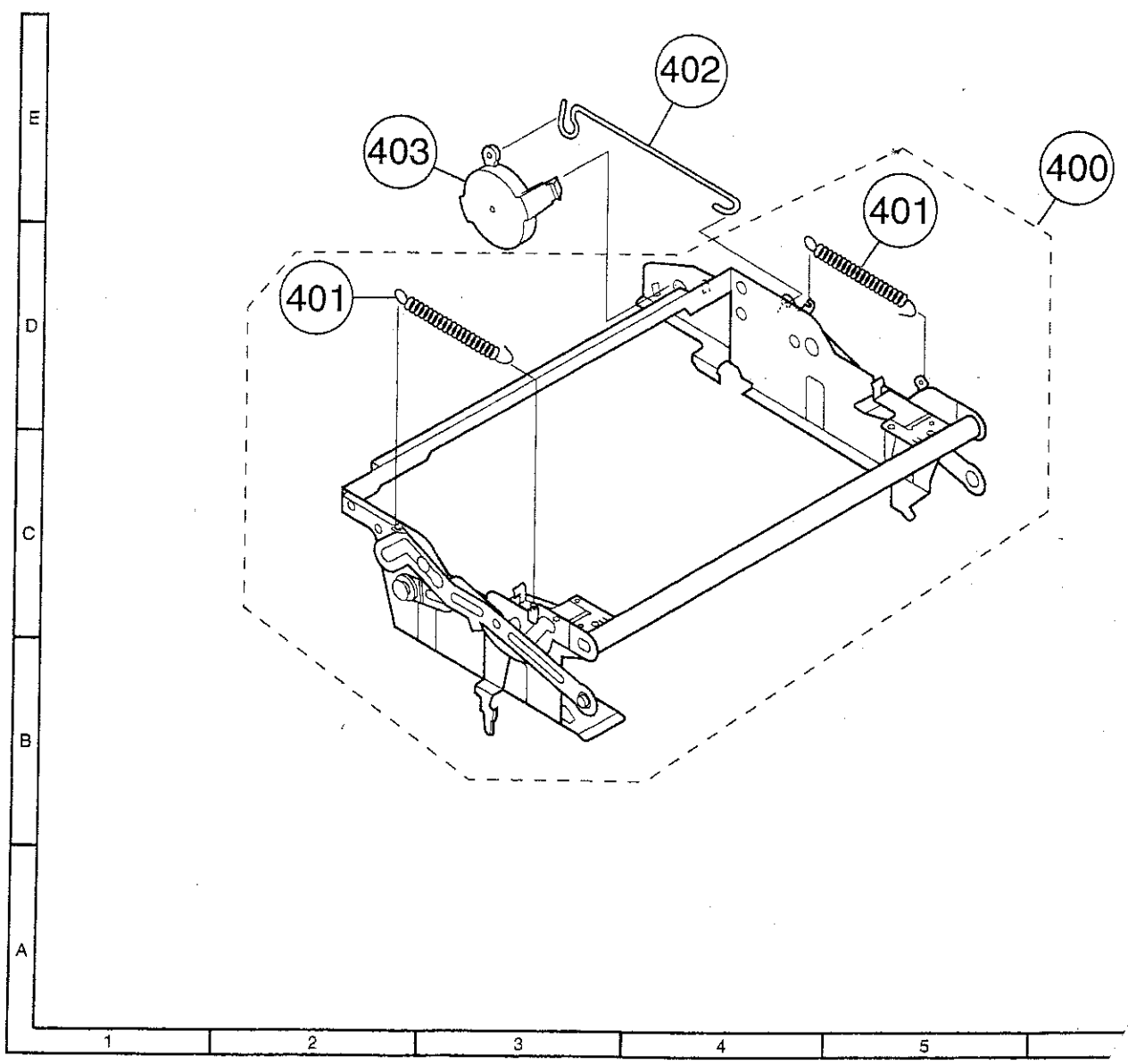
Ref. No.	Part No.	★	Description	Code

CASSETTE HOUSING PARTS

400	CHLDX3077GE01	Cassette Compartment Assy	AY
401	MSPRT0414GEZZ	Up Main Spring	AD
402	MROD-0014GEFJ	Damper rod	AG
403	PDMP-0013GEZZ	Cassette Compartment Damper	AG

—— End of Cassette Housing Parts ——

CASSETTE HOUSING CONTROL UNIT

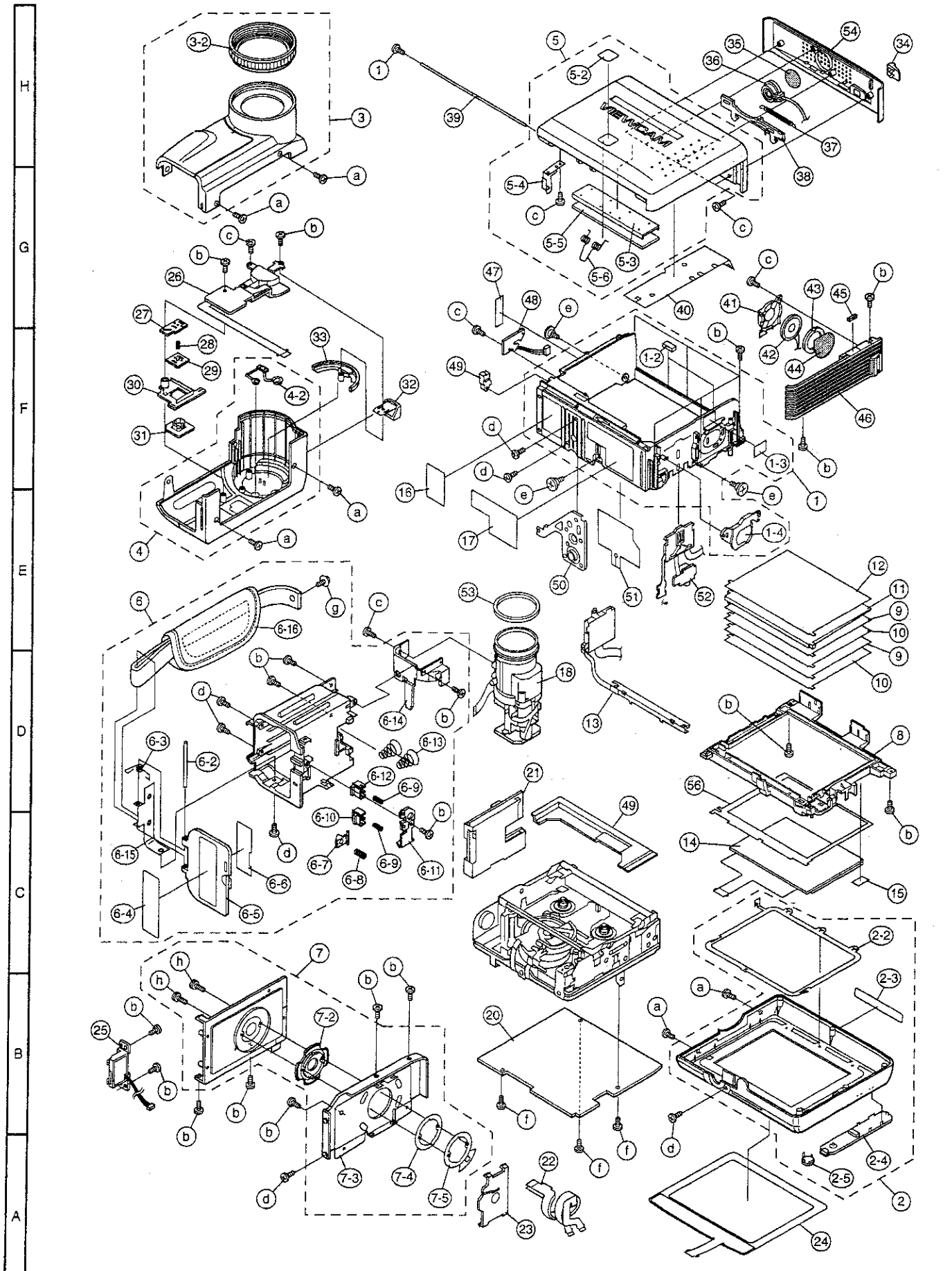


MECHANISM PARTS

Ref. No.	Part No.	★	Description	Code
300	LCHSM0163GEZZ		Main Chassis Ass'y	AW
301	NGERH1280GEZZ		Main Cam	AD
302	NGERH1281GEZZ		Sub-Cam	AD
303	MLEVF0470GEFW		Eject Lever	AD
304	MLEVF0492GEFW		M Function Lever	AF
305	LHLDZ1966GEZZ		L Block Holder	AD
306	NGERW1064GEZZ		Worm Pulley	AC
307	NGERW1065GEZZ		Worm	AD
308	NGERH1282GEZZ		Worm Wheel	AC
309	NGERH1283GEZZ		Lo Relay Gear	AC
310	MARMM0126GEZZ		S Lo Arm Ass'y	AE
311	MARMM0128GEZZ		T Lo Arm Ass'y	AF
312	LANGA0069GEFW		S Lo Arm Retainer	AD
313	PGiDM0146GEZZ		Sup Rail	AD
314	PGiDM0147GEZZ		Tu Rail	AD
315	NGERH1284GEZZ		Sup Lo Gear	AC
316	NGERH1285GEZZ		Tu Lo Gear	AC
317	MSPRD0167GEZZ		S Lo Arm Double-Acting Spring	AE
318	MSPRT0407GEZZ		T Lo Arm Double-Acting Spring	AC
319	MLEVP0283GEZZ		HC Lever Ass'y	AF
320	MSPRD0168GEZZ		HC Double-Acting Spring	AC
321	MSLiF0074GEFW		Ten Arm Operation Lever	AD
322	PGiDM0148GEZZ		Ten Arm Guide	AC
323	NGERH3045GEFW		Segment Gear	AD
324	MLEVF0472GEZZ		Tu Guide Ass'y	AC
325	PGiDP0027GEZZ		Tu Guide	AE
326	MSPRC0183GEZZ		Tu Guide Spring	AA
327	MSPRC0184GEZZ		Si Roller Spring	AA
328	MSPRC0208GEZZ		Tu Guide Lever Spring	AC
329	LCHSS0045GEZZ		Slide Chassis Ass'y	AW
330	MLEVF0495GEZZ		Ten Arm Ass'y	AC
331	LBNDK3021GEZZ		Ten Band Ass'y	AF
332	NiDR-0016GEZZ		Swing Gear Ass'y	AF
333	NGERH1286GEZZ		Driving Gear	AC
334	NGERH1287GEZZ		Pulley Gear	AD
335	NPLYV0157GEZZ		Relay Pulley	AD
336	MLEVP0284GEZZ		S Brake	AC
337	NGERH1288GEZZ		Tu Brake Gear	AC
338	MLEVP0285GEZZ		Tu Main Brake	AC
339	MLEVP0286GEZZ		Tu Sub-Brake	AC
340	MSPRD0169GEZZ		Tu Brake Spring	AD
341	LHLDZ1967GEZZ		Light Guide Holder Ass'y	AF
342	LANGG9102GEFW		Down Guide	AF
343	MSPRT0408GEZZ		Tension Spring	AD
344	MSPRD0170GEZZ		S Brake Spring	AD
345	CDRMU0032GE01		Upper Drum Ass'y	BF
346	PGiDM0144GEZZ		Tape Guide	AD
348	QBRSK0039GEZZ		Earth Spring	AD
349	PGiDM0143GEZZ		Drum Base	AG
350	DDRML0020HE01		Lower Drum Ass'y	AY
351	RMOTP1137GEZZ		Drum Motor	AS
352	PSPAQ0010GEZZ		Gap Adjusting Shim	AC
353	NRTR-0096GEZZ		R Tr Rotor Ass'y	AP
354	MSPRC0209GEZZ		Gr Adjusting Spring	AC
355	LPOLM0058GEZZ		S Pole Base	AK
356	LPOLM0059GEZZ		T Pole Base	AK
357	NDAiV1071GEZZ		Sup Reel Support	AG
358	NDAiV1072GEZZ		Tu Reel Support	AG
359	MLEVF0517GEZZ		Pinch Lever Ass'y	AS
360	NBLTT0012GEZZ		Timing Belt S	AE
361	NBLTT0013GEZZ		Timing Belt L	AE
362	NROLP0108GEZZ		Guide Roller Ass'y	AG
363	NROLP0109GEZZ		Si Roller Ass'y	AH
364	QPWBH5428GEZZ		Mode FPC	AG
365	CPWBN5402GE01		Sensor Ass'y	BC
366	QSW-M0042GEZZ		Recognition SW	AH
367	RDTCH0037GEZZ		Dew Sensor	AF
368	RMOTV1019GEZZ		Cap. Motor	AZ
369	RMOTM1075GEZZ		Load. Motor	AL
370	QSW-R0038GEZZ		Mode SW	AG
372	RAMP-0017TAN0		H/A PWB	AY
374	TLABH0196TAZZ		Caution Label	AB
375	PSHEM0014GEZZ		Counter Balance	AC
376	PSHEP0013GEZZ		Interruption Sheet	AC
200	XAPSF17P03200		Screw M1.7x3.2	AA
201	LX-XZ3036GEFP		Screw M2.0x6.0	AD
202	LX-BZ3175GEFN		Screw M1.7x4.0	AC
203	LX-BZ3163GEFN		Screw M1.7x2.5	AC
204	LX-HZ3074GEFN		Screw M1.7x5.3 S Tight	AA
205	LX-BZ3177GEFF		Screw M1.4x1.5	AB
206	LX-BZ3132GEZZ		Screw M1.4x1.5xD3.5	AA
207	LX-BZ3178GEZZ		Screw M1.4x1.5xD4.0	AD
208	LX-HZ3083GEFF		Screw M1.4x2.5 S Tight	AB
209	LX-HZ3077GEFN		Screw M1.4x3.0 S Tight	AA
211	LX-HZ3084GEFF		Screw M1.4x4.0 S Tight	AC
212	LX-HZ3085GEFD		Screw M1.4x4.0 SW S Tight	AD
213	LX-NZ3053GEZZ		Screw M1.4 Nut	AC
214	LX-WZ1076GE02		Washer D0.8xD3.0x0.2t Plastics	AA
215	LX-WZ1075GE02		Washer D2.1xD5.0x0.25t Plastics	AA
216	XWHJZ12-02040		Washer D1.2xD4.0x0.25t Plastics	AC

—— End of Mechanism Parts ——

CABINET EXPLODED VIEW



CABINET PARTS LIST

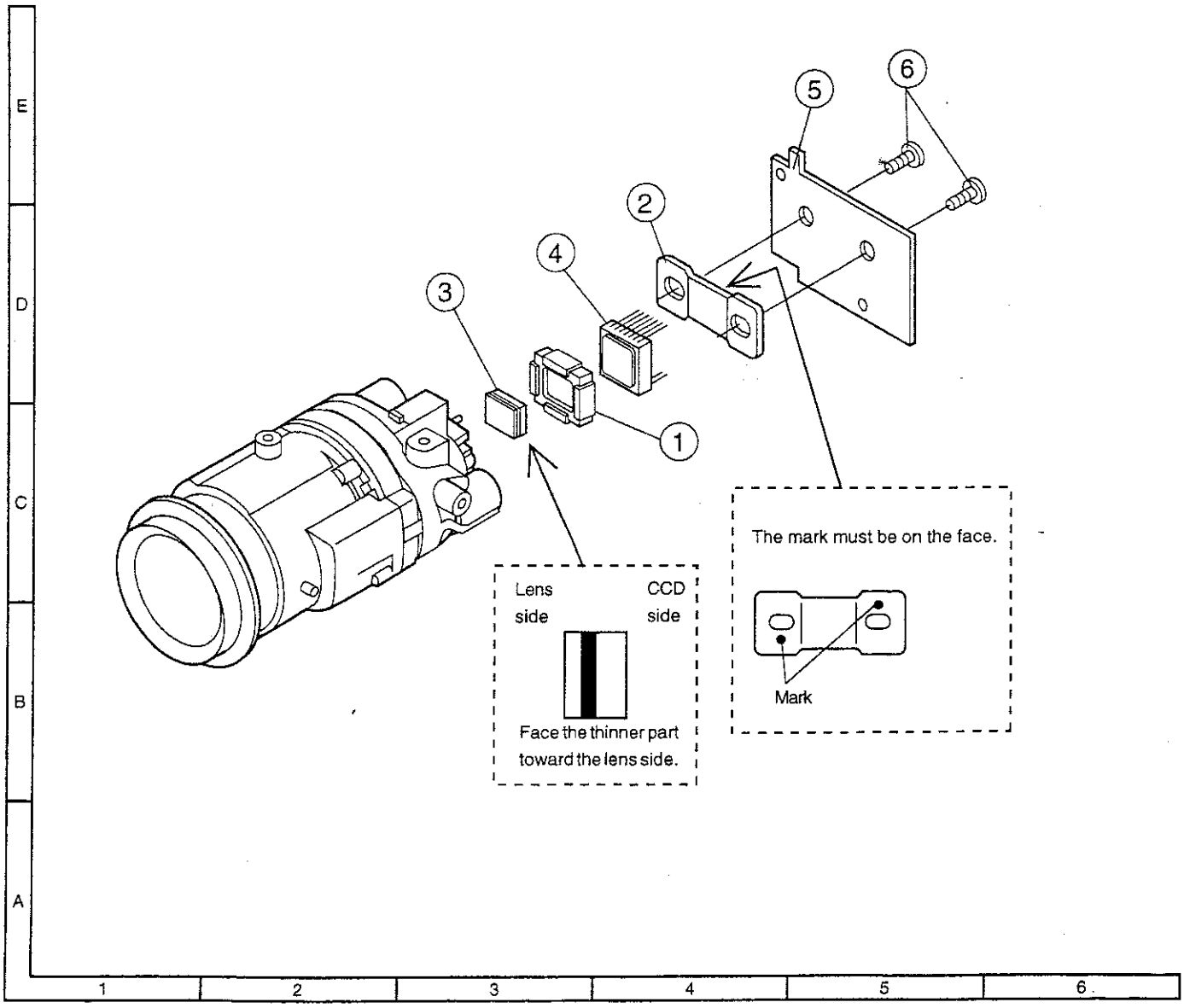
Ref. No.	Part No.	★	Description	Code
1	DCABA6183TAK1		V Frame Service	AL
1-2	PSPAG0095TAZZ		VCR Lid Cushion	AA
1-3	TLABH0262TAZZ		Lithium Exchange Label	AB
1-4	LHLDB1027TAZZ		Lithium Holder	AD
2	DCABB6184TAK1		L Cabinet Service	AS
2-2	QEARP0234TAFJ		LCD Earth Sheet	AE
2-3	TLABH0318TAZZ		Facing Recording Caution Label	AB
2-4	GCOVH1226TASA		Jack Cover	AD
2-5	GCOVA1535TAZZ		Remote Control Receptor Cover	AD
3	CCABC6088TAK1		Camera Front Cabinet Ass'y(VL-E760U)	AU
3	CCABC6091TAK1		Camera Front Cabinet Ass'y(VL-E765U)	AU
3-2	GCOVA1539TASA		Lens Hood	AM
4	DCABD6088TAK1		Camera Rear Cabinet Ass'y	AV
4-2	JBTN-0276TASB		Camera Button	AF
5	DFTAC1260TAK1		VCR Lid Service (VL-E760U)	AU
5	DFTAC1262TAK1		VCR Lid Service (VL-E765U)	AU
5-2	HBDGS0059TASB		LCD Badge	AE
5-3	LANGK0428TAFW		VCR Lid Reinforcing Angle	AG
5-4	LANGK0400TAFW		Eject Fitting	AD
5-5	PSPAZ0193TAZZ		VCR Lid Sheet	AC
5-6	MSPRD0047TAFJ		VCR Lid Spring	AD
6	CCOVA1536TAK1		KS Side Cover	AV
6-2	NSFTZ0049TAFW		Battery Lid Axle	AC
6-3	MSPRD0050TAFJ		Battery Lid Spring	AC
6-4	TLABH0264TAZZ		Recycle Label	AB
6-5	GFTAB1066TAKA		Battery Lid	AE
6-6	HDECP0045TASA		Battery Decoration Plate	AC
6-7	LHLDZ1448TA00		Battery Intermediate Lock	AC
6-8	MSPRC0103TAFJ		Battery Intermediate Lock Spring	AD
6-9	MSPRC0102TAFJ		Battery Lock Lever Spring	AA
6-10	MLEVP0030TASA		Battery Lid Open/Close Lever	AC
6-11	LHLDZ1449TAZZ		Battery Lock Holder	AC
6-12	MLEVP0029TASA		Battery Lock Lever	AC
6-13	MSPRC0101TAFJ		Battery Push-out Spring	AD
6-14	LHLDZ1445TAZZ		Lens Holder	AD
6-15	LANGK0398TA00		Battery Lid Angle Fitting	AH
6-16	UBNDT0104TAZZ		Hand Strap	AM
7	DCOVA1538TAK1		Tilt Ass'y	AU
7-2	PSPAZ0190TAZZ		Tilt Spacer	AE
7-3	GCOVA1537TAKA		Tilt Frame V	AL
7-4	PSPAZ0189TAZZ		Rotation Spacer	AD
7-5	LANGH0071TAFW		Stopper Fitting	AD
8	LHLDZ1447TAZZ		LCD Holder	AG
9	PSHEP0048TAZZ		Diffusion Sheet	AE
10	PSHEP0047TAZZ		Prism Sheet	AH
11	PGIDM0026TAZZ		Light Guide Plate	AH
12	PMIR-0022TAZZ		Reflection Sheet	AD
13	CLMPV0032TA01		Lamp Inverter Unit	BA
14	CPNLC0030RM02		LCD Panel	CE
15	PZETV0370TAZZ		LCD Glass Retaining	AB
16	TLABM1786TAZZ		Model Label(VL-E760U)	AC
16	TLABM1788TAZZ		Model Label(VL-E765U)	AC
17	TLABN0156TAZZ		Serial No. Label(VL-E760U)	AC
17	TLABN0158TAZZ		Serial No. Label(VL-E765U)	AC
18	CLNSA0127TA01		Lens Unit	BS
19	GFTAC1241TASA		Cassette Compartment Cover	AD
20	DUNTK2782QA03		VCR Unit(VL-E760U)	—
20	DUNTK2782QA04		VCR Unit(VL-E765U)	—
21	DUNTK2785PM01		Camera Unit(VL-E760U)	—
21	DUNTK2785PM02		Camera Unit(VL-E765U)	—
22	QPWBH2814TAZZ		Tilt FPC	AQ
23	LHLDW1038TA00		FPC Holder	AC
24	QSW-Z0287TAZZ		VCR Operation Unit	AW
25	QTANZ0129TAZZ		Battery Terminal Unit	AG
26	QSW-Z0285TAZZ		Power Unit	AR
27	LHLDZ1452TAZZ		Power Lock Holder	AC
28	MSPRC0083TAFJ		Power Lock Spring	AA
29	JBTN-0277TASB		Power Button	AF
30	LHLDZ1451TAZZ		Power Holder	AC
31	JKNBP0152TASA		Power Knob	AD
32	JKNBP0153TASB		Zoom Knob	AF
33	LHLDZ1453TASA		Zoom Knob Holder	AD
34	JKNBP0154TASA		Open Knob	AC
35	PSPAZ0191TAZZ		Spacer	AA
36	RMICC0079TAZZ		Microphone	AM
37	MSPRT0034TAFJ		Lid Lock Spring	AC
38	LHLDZ1454TA00		VCR Lid Lock	AD
39	NSFTZ0084TAFW		VCR Lid Shaft	AD
40	PSPAZ0192TAZZ		Microphone Lead Spacer	AD
41	LHLDZ1450TAZZ		Speaker Holder	AC
42	VSP0020P-94WN		Speaker	AL
43	PSPAG0103TAZZ		Speaker Spacer	AC

Ref. No.	Part No.	★	Description	Code
44	PCOVP9062TAZZ		Speaker Mesh	AB
45	PSPAG0095TAZZ		VCR Lid Cushion	AA
46	GCOVA3056TAKA		Speaker Cover	AE
47	ZTAPEP069020E		Tape	—
48	QSW-Z0284TAZZ		Turn/Eject SW	AH
49	MLEVP0031TAZZ		Eject Lever	AC
50	LANGK0399TAFW		Tripod Angle Ass'y	AK
51	PSHEP0074TAZZ		Microphone Lead Sheet	AB
52	RRMCK0034TAZZ		Jack Unit	AT
53	PSPAG0084TA00		Front Group Frame Rubber	AD
54	GCOVA3057TAKA		Microphone Cover	AG
55	QPWBH2815TAZZ		CCD FPC	AS
56	PSPAZ0209TAZZ		LCD Spacer	AF
a	LX-HZ0018TAFN		M2x6 Tapping, Silver	AA
b	LX-HZ0018TAFF		M2x6 Tapping, Black	AA
c	LX-HZ0045TAFN		M2x4 Tapping, Silver	AA
d	XiPSF20P04000		M2x4 Small Screw, Black Zinc Plating	AA
e	LX-BZ0191TAFD		M2 Special Screw	AC
f	XiPSD20P03000		M2x3 Screw	AA
g	LX-UZ0016TAFD		M2x5 Special Screw	AA
h	LX-BZ0200TAFD		M2x7 Special Screw	AB
i	XiPSN20P04000		M2x4 Small Screw, Silver	AA

Ref. No.	Part No.	★	Description	Code

CAMERA UNIT PARTS LIST

1	PCOVM8016TA00	Dustproof Rubber	AC
2	LANGK0324TAFW	CCD Retaining Plate	AG
3	PFiLW0060TAZZ	Optical Filter	AS
4	VHiLZ2413H5-1	CCD Sensor	BD
5	DUNTK2800PM00	CCD PWB Unit	—
6	LX-HZ0013TAFF	Screw (1.7 X 6)	AA



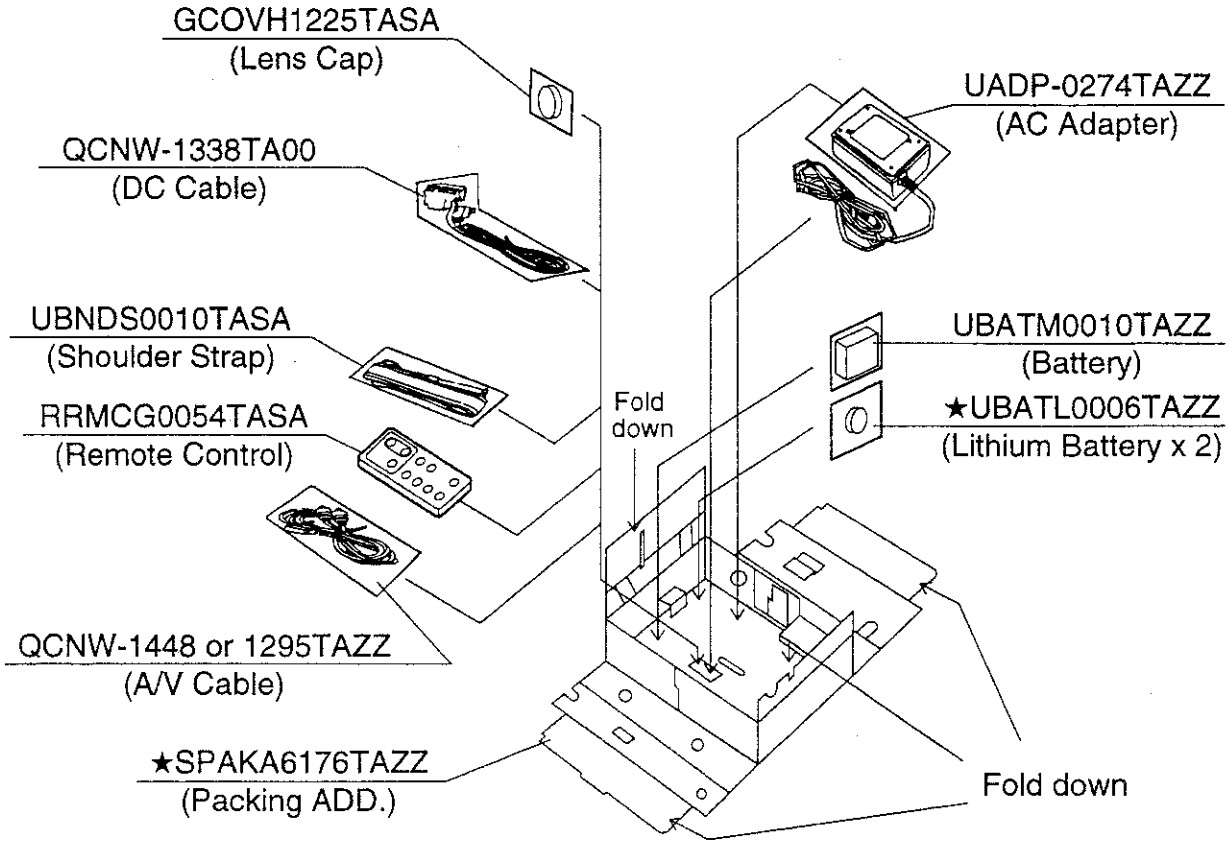
SUPPLIED ACCESSORIES

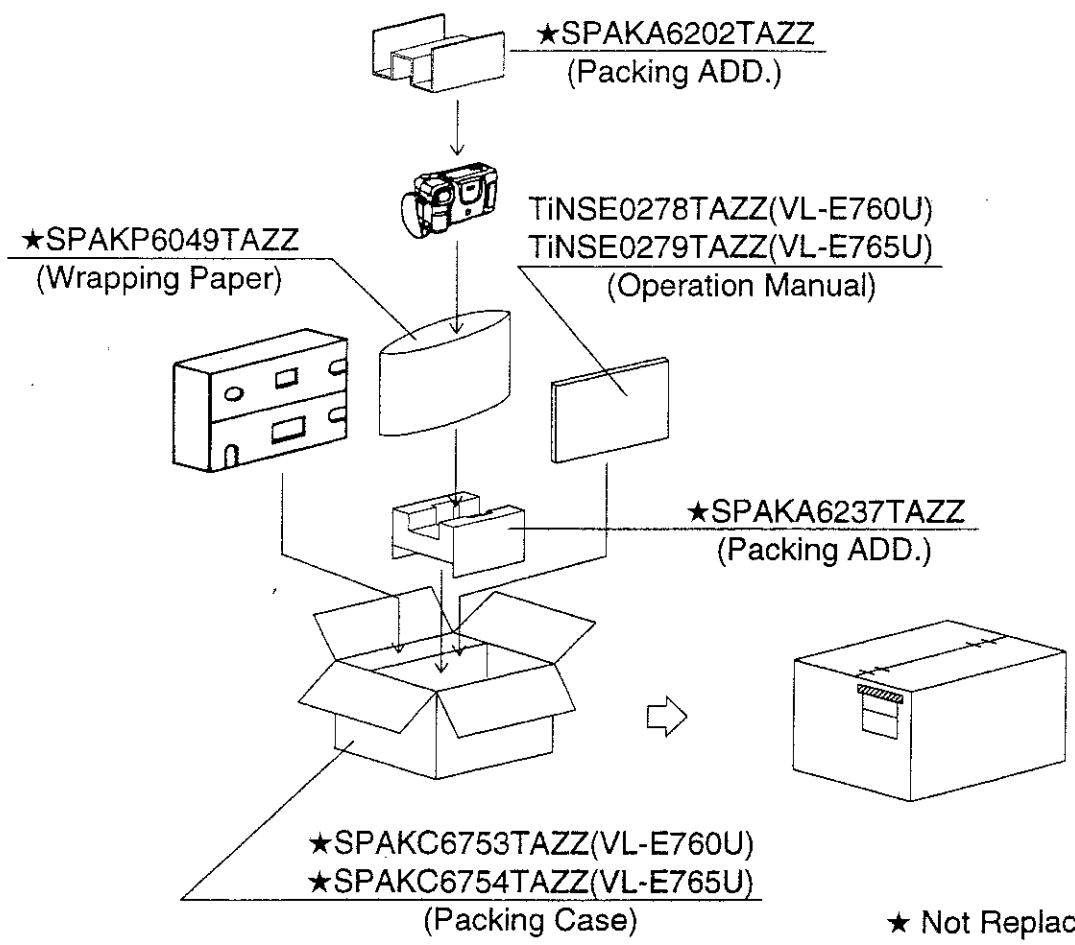
Ref. No.	Part No.	★	Description	Code
	ACCESSORIES			
	GCOVH1225TASA		Lens Cap	AG
	QCNW-1338TA00		DC Cable	AR
	QCNW-1295TAZZ		A/V Cable	AK
	or			
	QCNW-1448TAZZ		A/V Cable	AH
	RRMCG0054TASA		Infrared Remote Control	AR
	TiNSE0278TAZZ		Operation Manual (VL-E760U)	AH
	TiNSE0279TAZZ		Operation Manual (VL-E765U)	AH
	UADP-0274TAZZ		AC Adaptor	BH
	UBATM0010TAZZ		Battery	BC
	UBNDS0010TASA		Shoulder Strap	AH
	ACCESSORIES(NOT REPLACEMENT ITEM)			
	TGANE0044TAZZ		Guarantee Card	AC
	UBATL0006TAZZ		Lithium Battery	AF

PACKING PARTS (NOT REPLACEMENT ITEM)

Ref. No.	Part No.	★	Description	Code
	SPAKA6176TAZZ		Packing ADD.	—
	SPAKA6202TAZZ		Packing ADD.	—
	SPAKA6237TAZZ		Packing ADD.	—
	SPAKC6753TAZZ		Packing Case(VL-E760U)	—
	SPAKC6754TAZZ		Packing Case(VL-E765U)	—
	SPAKP6049TAZZ		Wrapping Paper	AC
	SSAKA0087TAZZ		Polyethylene Bag	AD

12. PACKING OF THE SET





★ Not Replacement Item

13. AC ADAPTER

UNIT No. UADP-0274TAZZ

Features

- Compact and light-weight design for easier portability.
- Automatic voltage change AC 110V to AC 240V allows the adapter usage even in your trips abroad.
- Charging function with battery pack.
- Rapid charging function to enable the charging in a shorter period of time.

Specifications

Power Requirement :	AC110-240V, 50/60Hz
DC Output :	4.5V
Power Consumption :	16W
Dimension (approx.) :	$2^{31}/_{32}$" (W) X 2" (H) X 5 $^{5}/_{16}$" (D)
	[75mm(W) X 51mm (H) X 135mm (D)]
Weight (approx.) :	0.65 lbs (295g)

*Specifications are subject to change without notice.

13-1. OPERATION MANUAL

13-1-1. Outline

This adapter is designed as the power supply for camcoder as well as the quick charger of the battery used in it.
As shown in Fig. 13-1-1 block diagram, the adapter consists of the separately excited switching regulator which employs control IC, and a multi-functional circuit on the secondary side.
The primary control circuitry and the secondary multi-functional circuitry, composed mainly of the components mounted on the surface, are housed in the small, portable case. They are applicable for a variety of operational conditions of the user.
The multi-input type adapter of 110 V to 240 V 50/60 Hz is employed to satisfy the conditions for various input voltages in order to allow the adapter to be worldwide carried around and used.
The basic operation is controlled by two sections. In the power switching section, constant-voltage and constant-current controls are performed by comparing with the reference voltage at the secondary side. The battery charging section, on the other hand, is provided with timers, various detection circuits and sequence controller. As an AC adapter, the adapter feeds the constant-voltage DC power through the special 3-pin DC jack, and as a battery charger, the adapter starts the rapid charging operation when the exclusive battery is place din position with the DC plug unconnected.

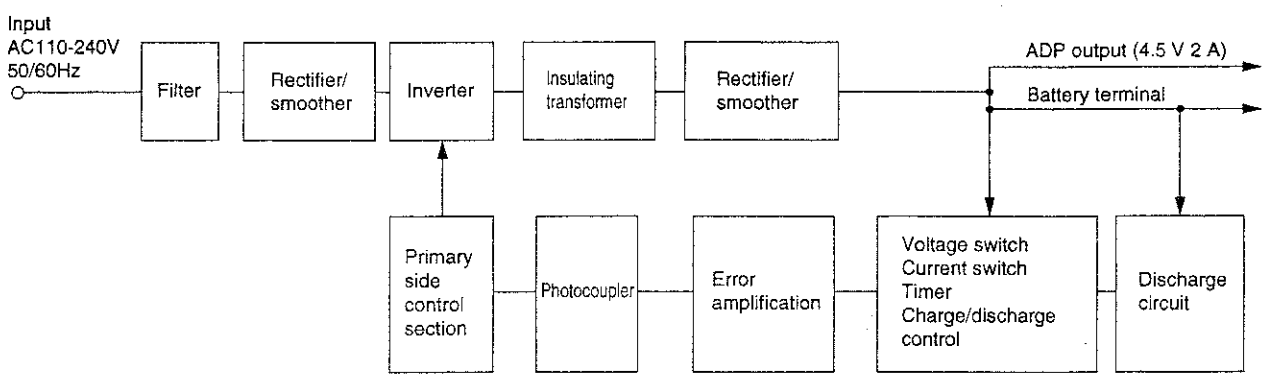


Fig. 13-1-1 Block diagram (Camcorder adapter)

13-1-2. Operation

1.Adapter mode
When the DC plug is attached to the adapter, the constant DC voltage (4.5 V, 2 A) can be continuously obtained via the DC jack to operate the camcorder.
The power consumption can be kept constant over the entire control input rage, regardless of input fluctuation.
The output is so available up to 1.3 or more times of the rated current as to resist the starting current, rush current and other transient current which flow in the main body of camcorder.
Also, the adapter output overcurrent protector with fold back current, which controls the power when the short circuit from the outside occurs, is used to prevent the adapter from being destroyed or broken down. It also prevents the temperature inside the adapter from rising too excessively.

2.Ni-Cd charge mode
This adapter, when Ni-Cd battery is attached, can be used as a quick charger. This charging operation is divided into the operating modes of three stages. The adapter goes through these modes sequentially.
The first stage is called initial charging. A constant current of 1.5 A is charged in the range which is limited by the voltage of 5.7 V and the timer of 5 minutes.
The voltage is thus limited in order to protect the battery against overvoltage, and overcharge which would otherwise occur in the fully charged state.
The time limit serves to prevent the charging error which would occur on the dead battery due to the initial voltage drop.
The second stage is a quick charging mode. Like in the initial charging, a rapid charge of 1.5 A is made in the range which is limited by the voltage of 5.7 V, and the timer of 180 minutes which are different from those of the initial charging.
Toward the end of this mode, a battery voltage drop (-ΔV phenomenon) is detected to tell the end of the quick charging, to stop the charging and to go to the next stage. At this charging current of 1.5 A, the 1500 mAh battery, and the 2500 mAh nickel-hydrogen later mentioned are fully charged for about 60 minutes, and about 140 minutes, respectively. The timer is set at 180 minutes to avoid an danger of overcharge which is possible due to -ΔV detection error.
Here, the -ΔV detection level is 40 to 80 mV.
In the third stage called auxiliary charging, the fully charged state is kept even after the quick charging is completed.
The auxiliary charging is generally set at 1/30 to 1/40C depending on the characteristics of a battery. This adapter adopts a charging system which is controlled by the operation output controlled at the constant voltage and the fixed resistance.
These charging states are shown by the characteristics in Fig. 13-1-2.

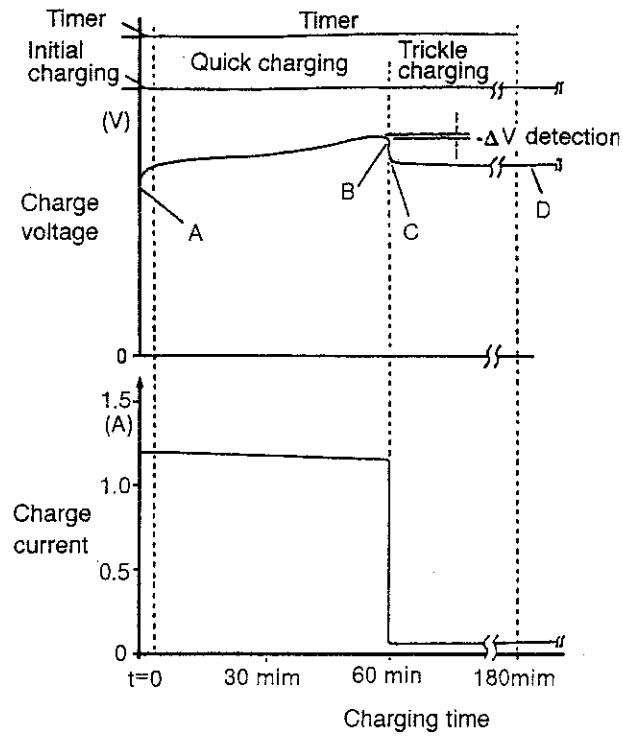


Fig. 13-1-2 Charging characteristics of Ni-Cd 1500 mAh battery

3.Nickel hydrogen battery charging mode

When the nickel hydrogen battery is attached to the adapter which is not attached with the DC plug, it will be detected that the T terminal is present, and the quick charge operation of nickel hydrogen will be started.

The charging operation of the nickel hydrogen battery is divided into the operating modes of five stages. The adapter goes through these modes sequentially.

When the nickel hydrogen battery is attached, the precharge will be operated at first.

In this mode, it is charged at a constant current of about 0.5 A, and it will shift into the next mode in 2 minutes.

Since this period is provided to activate the battery, the end of charging is not detected. It functions the overvoltage detection, abnormal-temperature detection and other battery-protective operations alone.

The next operation is the initial charging operation like the Ni-Cd battery.

Differing from the Ni-Cd battery, the limit voltage of the overvoltage detection is 5.1 V and the function to detect an abnormal temperature is added.

The 3rd stage of the quick charging mode is equivalent to the quick charging of the Ni-Cd battery.

The function to detect the phenomenon in this mode and the mode shift by detection are as follows:

I) -ΔV detection
If -ΔV (22 to 62 mV) is detected, it will shift into the trickle charge mode.

II) Overvoltage detection
If the battery voltage exceeds 5.1 V, it will be judged as abnormal, and it will shift into the trickle charge mode.

III) ΔT detection
If the gradient of the temperature rise of the charging battery exceeds 1°C/min., it will be judged as the end of charging, and it will shift into the auxiliary charging mode.

IV) Abnormal-temperature detection
If the battery reaches a temperature of 60°C to 65°C during charge, the charging operation will stop to protect the battery and it will shift into the auxiliary charging mode.

V) Timer operation
When 180 minutes have passed since start of quick charging, it will shift into the auxiliary charging mode.

In the auxiliary charging mode which it will shift into due to ΔT detection and timer activation of quick charging, it will be charged at a constant current of about 0.5 A like the preparatory charging mode.

At this time, the mode is shifted by each detection function of -ΔV, overvoltage and abnormal temperature in the same manner as the quick charging. But it will be shifted into the auxiliary charging mode by the integrated timer when one hour has elapsed since the auxiliary charging was started.

Like the Ni-Cd battery, the auxiliary charging current is flowed by the constant voltage and fixed resistor in the auxiliary charging mode of the fifth stage.

13-1-3. Circuits

The circuits used for the adapter are explained according to the circuit diagram in page13-8.

1. Input section
The input section consists of noise filter and rectification smoothing circuit of condenser input. The noise filter, which consists of L1, C1 and C51, reduces the common mode noise.
R1 is a resistance for discharging electricity retained at input AC plug when the power is turned off.
The amount of rush current caused when the power is turned on is greatly limited, DCR of L1 and the operating resistance of D1.

2. Switching section
In the switching circuit, DC voltage rectified by C2 is processed by driving the transistor Q1 like the switch corresponding to the signals sent from the control section on the primary side.
Together with the transformer T1, it makes up a high-frequency inverter.
C3, R7 and FB1 are clamp circuit which absorbs the surge voltage generated during switching.

3. Primary side control section
This section drives the switching section by converting the pulse duration of the signal received from the secondary side control circuit through the photocoupler.
The control IC (IC1) is used to drive Q1 (Mos FET). This IC, operating as an overvoltage protector, contains a circuit which stops oscillating when it detects the overvoltage at D7.

4. Output circuit section
The secondary side output, which can be controlled by a popular on-off system, reduces output ripples and common mode noise through the choking coils of L2 and L3.
Q102 is a transistor which is turned on through Q103 by output of the pin 6 of IC101 during quick/preparatory/auxiliary charging.

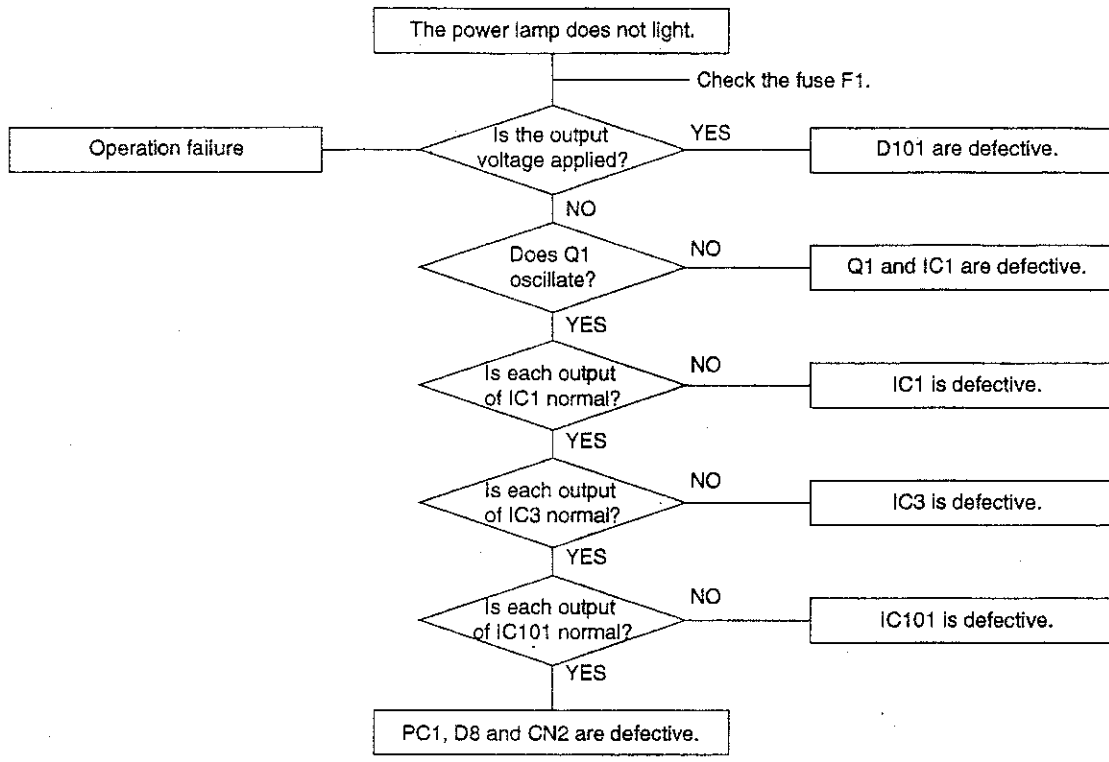
5. Battery detection circuit
When the battery is installed, the transistor Q101 is turned on.
If DC plug is not attached to CN2 at this time, the GND level will be input to the pin 11 of IC101 by the transistor Q104 in order to detect the installation of the battery.

6. Secondary side control circuit
The secondary control section functions to control the switching section by amplifying the errors of the detected output voltage and current and conducting the detected signals to the primary side control circuit through the photocoupler.
The constant voltage is preset and detected with IC3-II, whereas the adapter (4.5 V)/charge (6.5 V) mode is selected by switching the voltage of the pin 5 of IC101 to charge the reference voltage.
The constant current and over-current protector are preset and detected with IC3-I, while 1.5A/0.5A constant current is selected by output of the pin 7 of IC101.
The overcurrent protection in the adapter mode is performed by the primary control circuitry.
IC1 has the constant-voltage power supply function to provide the drive power for IC101 and the reference voltage for IC3.
The constant-voltage output of IC2 is used as the reference voltage during error amplification of the output voltage and circuit.

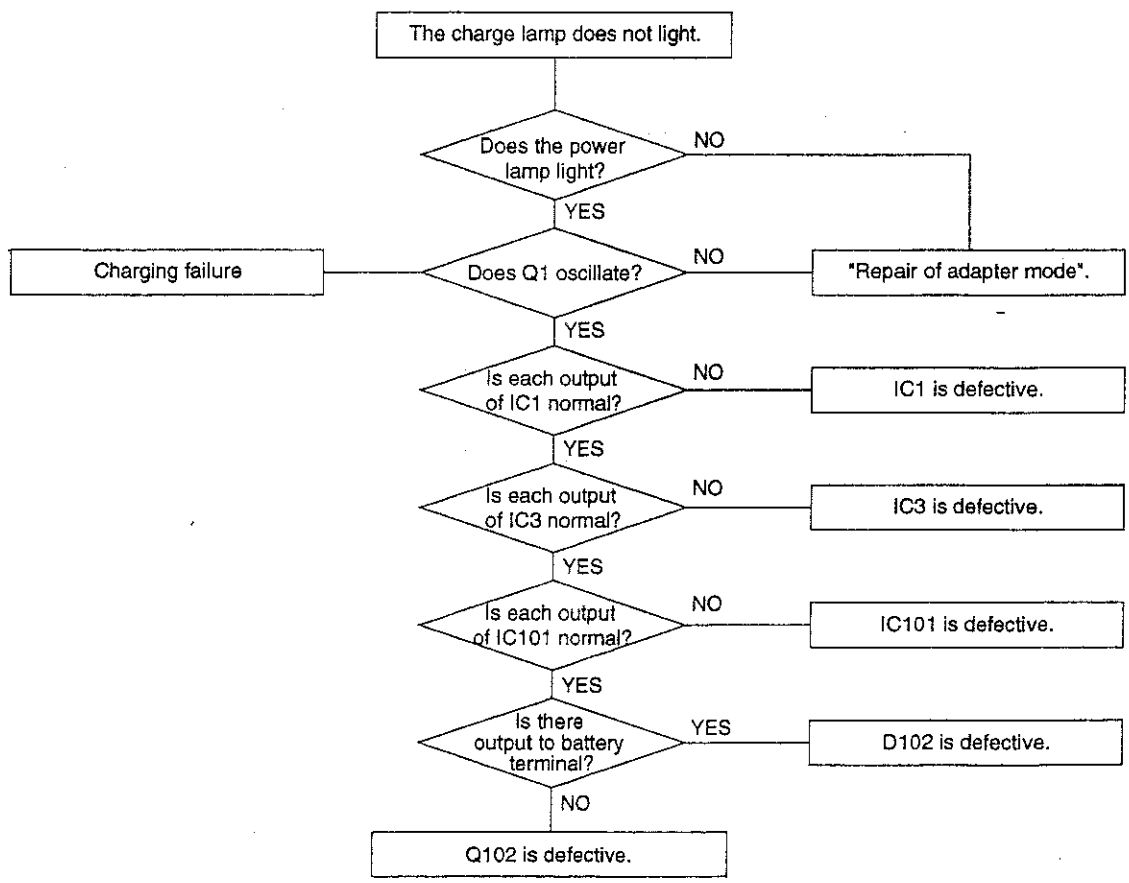
7. Display
Only D101 (red LED) lights up in the adapter mode.
In the charge mode, D102 (orange LED) lights up together with D101 during quick charging. When quick charging is completed (in the trickle mode), only D102 goes out.
D102 is controlled to be lit and unlit by the pin 4 of IC101.

8. Ground resistance
The discharging resistors (ground resistors) R50 provided between the primary side and secondary side consist of the parts rated at 1/2 W.

Adapter Mode

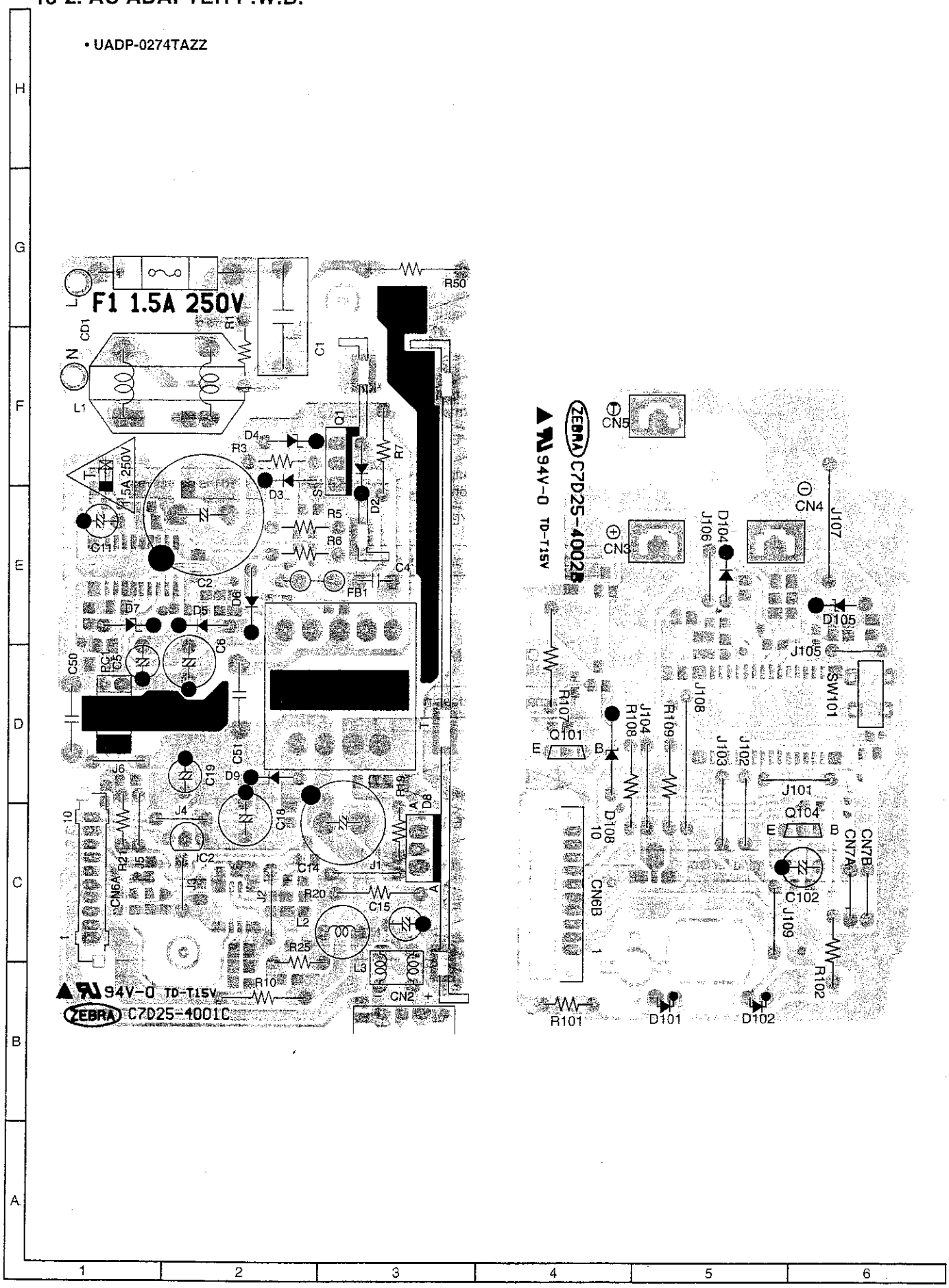


Charging Mode



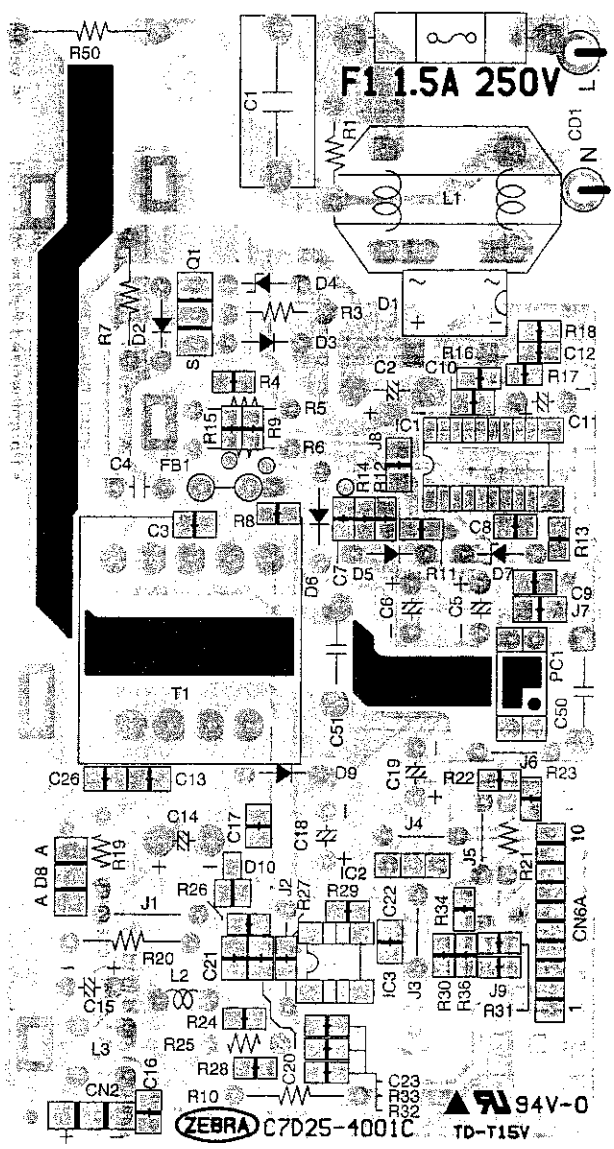
13-2. AC ADAPTER P.W.B.

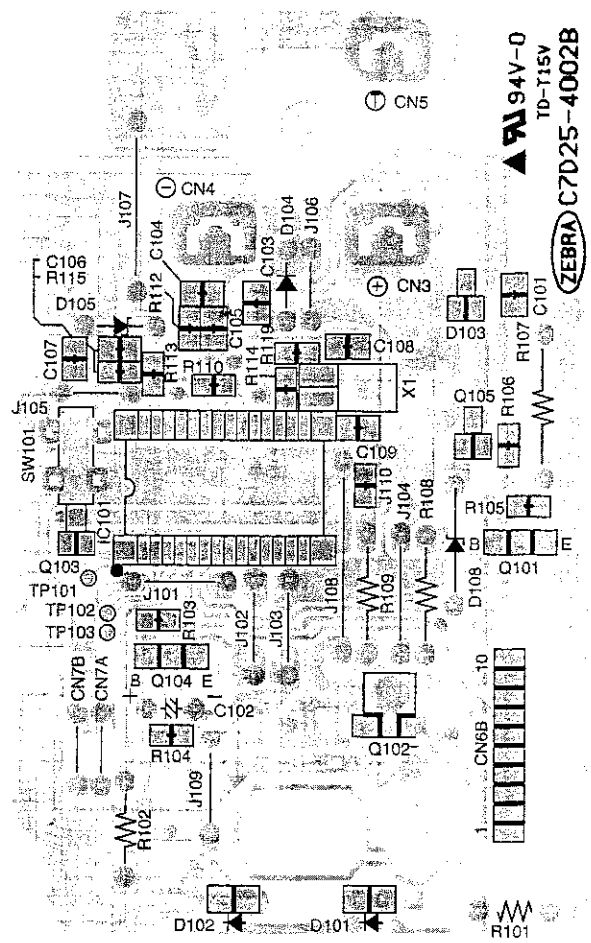
• UADP-0274TAZZ



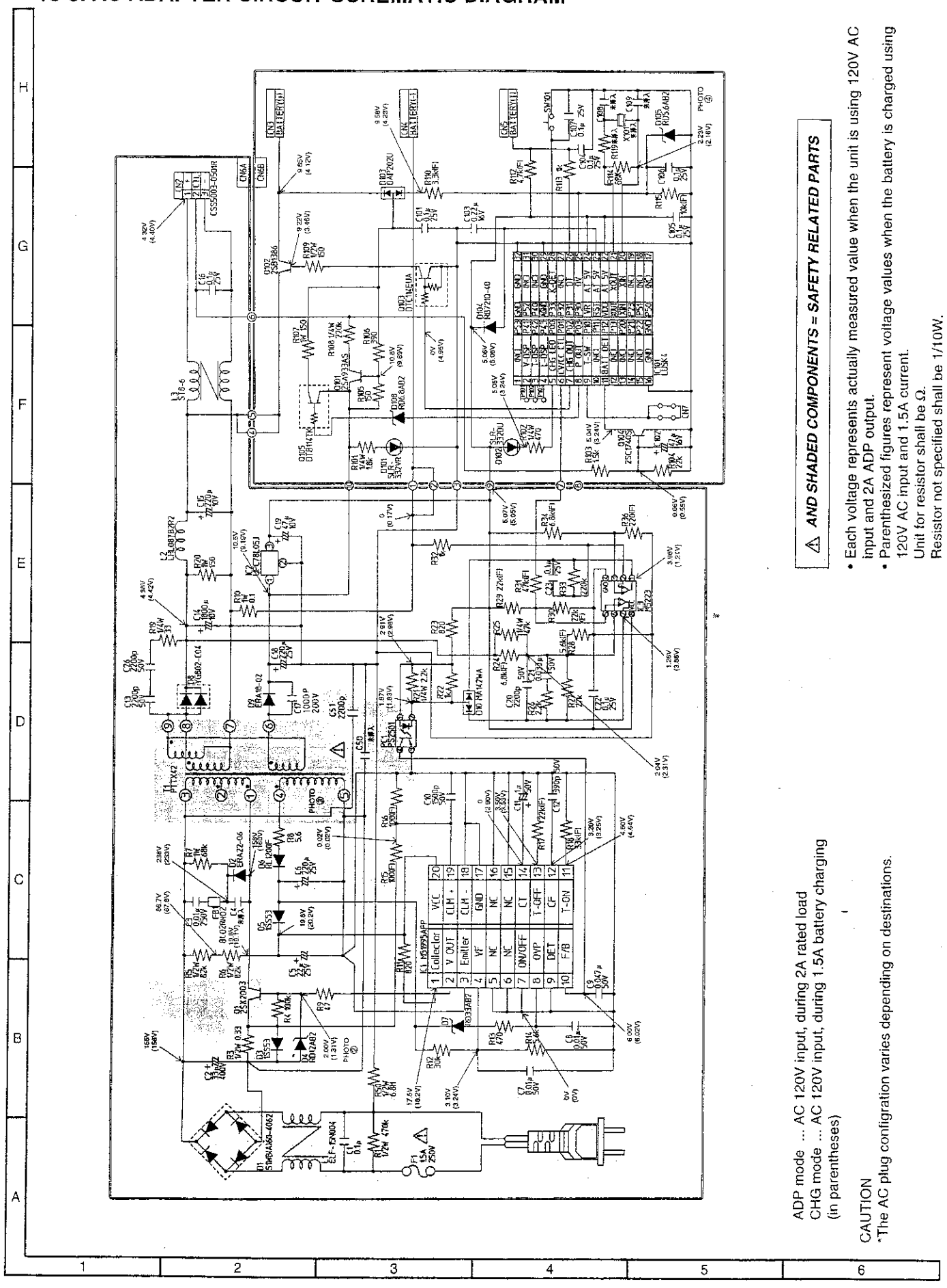
13-2. AC ADAPTER P.W.B.

• UADP-0274TAZZ





13-3. AC ADAPTER CIRCUIT SCHEMATIC DIAGRAM



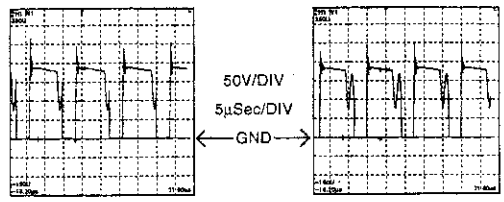
⚠ *AND SHADED COMPONENTS = SAFETY RELATED PARTS*

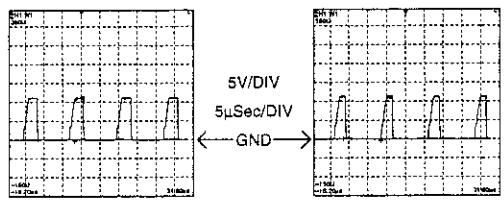
- Each voltage represents actually measured value when the unit is using 120V AC input and 2A ADP output.
- Parenthesized figures represent voltage values when the battery is charged using 120V AC input and 1.5A current.
  Unit for resistor shall be Ω.
  Resistor not specified shall be 1/10W.
  Unit for capacitor shall be F.

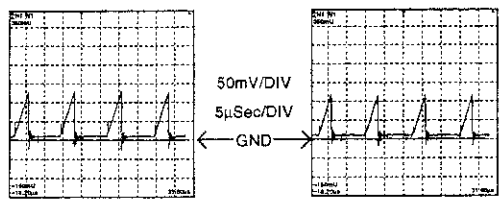
ADP mode ... AC 120V input, during 2A rated load
CHG mode ... AC 120V input, during 1.5A battery charging
(in parentheses)

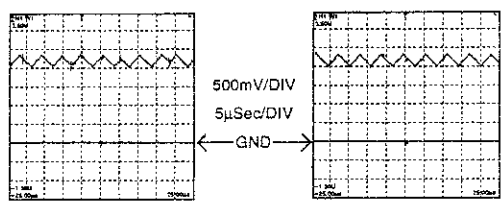
CAUTION
*The AC plug configration varies depending on destinations.

• ADP mode • CHG mode

① 

② 

③ 

④ 

REPLACEMENT PARTS LIST/ EXPLODED VIEWS

ELECTRICAL PARTS LIST

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

Les pièces marquéss "⚠" sont importantes pour maintenir la sècurité de l'appareil. Ne remplacer ces pieces que par des pièces dont le numéro est spécifié pour maintenir la sécurité et protéger le bon fonctinnement de l'appareil.

" HOW TO ORDER REPLACEMENT PARTS "

in USA: Contact your nearest SHARP Parts Distributor. For location of SHARP Parts Distributor,
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in CANADA: Contact SHARP Electronics of Canada Limited
Phone (416) 890-2100.

★MARK : SPARE PARTS-DELIVERY SECTION:ALL JAPAN

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER **2. REF. NO.**
3. PART NO. **4. DESCRIPTION**
5. PRICE CODE

⚠ MARK: SAFETY RELATED PARTS
⚠ PIECES; RELATIVES A LA SECURITE

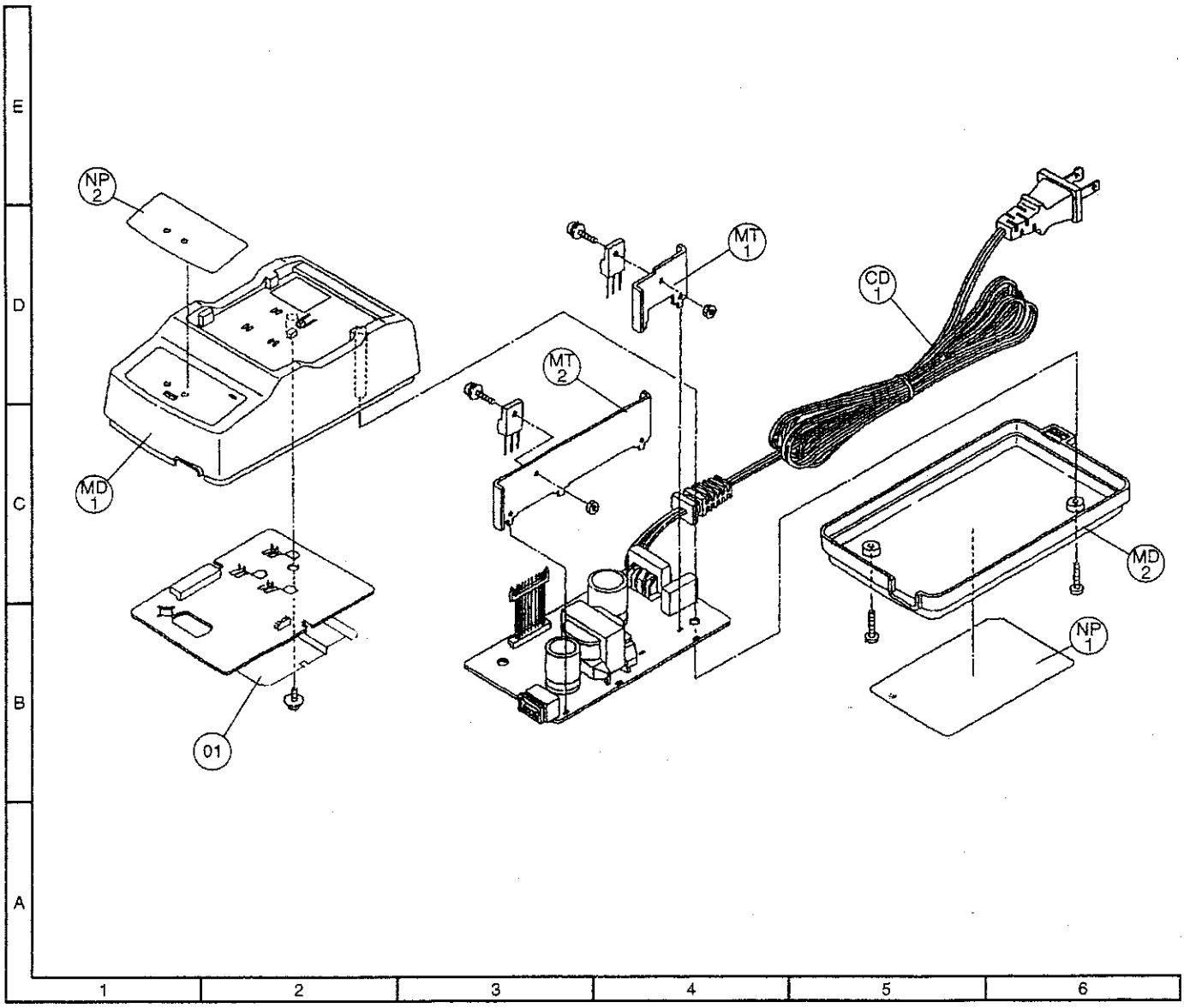
PWB ASSEMBLY IS NOT REPLACEMENT ITEM
L'ASSEMBLANGE P.C.I. EST UN ARTICLE NON REMPLACABLE

Ref. No.	Part No.	★	Description	Code
INTEGRATED CIRCUITS				
IC1	95KUCY0031AK		M51995AFP-600C	AM
IC2	95KUCB0068BK		UPC78L05J-2-T	AF
IC3	95KUCY0011AK		M5223FP-600C	AE
IC101	95KUCY0082AK		LU5K417	AP
TRANSISTORS				
⚠ Q1	95KUAG0177AZ		2SK2003-Q1MR	AK
Q101	95KUAA0122AK		2SA933ASTP	AC
Q102	95KUAY0063BK		2SB1386-T100 Q,R	AF
Q103	95KUAY0057AL		DTC114EUA T106	AC
Q104	95KUAC0034EL		2SC1740S-TP	AD
Q105	95KUAY0069AK		DTB114TK	AD
DIODES				
⚠ D1	95KUBY0031BB		S1WB(A)60-4062	AF
D2	95KUBC0169CK		ERA22-06V1	AC
D3	95KUBA0004KZ		1SS53-T4	AB
D4	95KUBDAK120C		RD12ESAB2-T4	AB
D5	95KUBA0004KZ		1SS53-T4	AB
D6	95KUBC0320AZ		RL1200F-F	AD

Ref. No.	Part No.	★	Description	Code
D7	95KUBDAK330C		RD33ESAB2	AB
D8	95KUBA0040AZ		YG802C04R	AG
D9	95KUBC0221AK		ERA18-02V1	AC
D10	95KUBY0032AB		MA142WA	AE
D101	95KUDC0210ZZ		SLR-332VR 3F	AD
D102	95KUDC0211ZZ		SLR-332DU 3F	AD
D103	95KUBA0039AZ		DAP202UT106	AC
D104	95KUBA0036AK		RB721Q-40-T-72	AD
D105	95KUBDAK5R6C		RD5.6ESAB2-T4	AB
D108	95KUBDAK6R8C		RD6.8ESAB2	AC
COILS AND TRANSFORMER				
⚠ T1	95K829065006		Transformer	BB
⚠ L1	95KUKZ0749ZZ		Filter	AH
L2	95KUKZ0505ZK		Coil	AF
L3	95KUKZ0748ZZ		Choke coil	AL
CAPACITORS				
⚠ C1	95KUGZ1063ZZ		0.1µF Capacitor	AD
⚠ C2	95KUGAQ330UY		33µF 400V Electrolytic	AH
C3	95KUGXFRM103		0.01µF 250V Ceramic	AD
C5	95KUGAD220HN		22µF 25V Electrolytic	AD
C6	95KUGAD221HN		220µF 25V Electrolytic	AC
C7	95KUGXABF103		0.01µF 50V Ceramic	AB
C8	95KUGXABF103		0.01µF 50V Ceramic	AB
C9	95KUGXFLF473		0.047µF 50V Ceramic	AB
C10	95KUGXABF152		1500pF 50V Ceramic	AB
C11	95KUGAF010HN		1µF 50V Electrolytic	AB
C12	95KUGXAQF391		390pF 50V Ceramic	AB
C13	95KUGXABF222		2200pF 50V Ceramic	AB
C14	95KUGAB182VD		1800µF 10V Electrolytic	AF
C15	95KUGAB221VA		220µF 10V Electrolytic	AD
C16	95KUGXFLD104		0.1µF 25V Ceramic	AC
C17	95KUGXFSL102		1000pF 200V Ceramic	AB
C18	95KUGAD221HN		220µF 25V Electrolytic	AC
C19	95KUGAB470RV		47µF 10V Electrolytic	AC
C20	95KUGXABF222		2200pF 50V Ceramic	AB
C21	95KUGXFLF333		0.033µF 50V Ceramic	AB
C22	95KUGXFLD104		0.1µF 25V Ceramic	AC
C23	95KUGXFLD104		0.1µF 25V Ceramic	AC
C26	95KUGXABF222		2200pF 50V Ceramic	AB
⚠ C51	95KUGCZ220HB		2200pF 50V Ceramic	AE
C101	95KUGXFLD104		0.1µF 25V Ceramic	AC
C102	95KUGAC470KF		47µF 16V Electrolytic	AC
C103	95KUGXFLC224		0.22µF 16V Ceramic	AC
C104	95KUGXFLD104		0.1µF 25V Ceramic	AC
C105	95KUGXFLD104		0.1µF 25V Ceramic	AC
C106	95KUGXFLD104		0.1µF 25V Ceramic	AC
C107	95KUGXFLD104		0.1µF 25V Ceramic	AC
RESISTORS				
⚠ R1	95KUEEC474CH		470k 1/2W ±5%	AC
⚠ R3	95KUEZ0569ZZ		0.33 1/2W ±5%	AB
R4	95KUEXCAA104		100k 1/10W ±5%	AA
R5	95KUEEC823BU		82k 1/2W ±5%	AB
R6	95KUEEC823BU		82k 1/2W ±5%	AB
R7	95KUEFD683BH		68k 1W ±5%	AB
R8	95KUEXCAA5R6		5.6 1/10W ±5%	AB
R9	95KUEXCAA470		47 1/10W ±5%	AB
R10	95KUEFDR10CF		0.1 1W ±5%	AC
R11	95KUEXCAA821		820 1/10W ±5%	AB
R12	95KUEXCAA303		30k 1/10W ±5%	AB
R13	95KUEXCAA471		470 1/10W ±5%	AA
R14	95KUEXCAA562		5.6k 1/10W ±5%	AA
R15	95KUEYAA1000		100 1/10W ±1%	AB
R16	95KUEYAA1000		100 1/10W ±1%	AB
R17	95KUEYAA2202		22k 1/10W ±1%	AB
R18	95KUEYAA3302		33k 1/10W ±1%	AB
R19	95KUEEB330DC		33 1/4W ±5%	AB
R20	95KUEFD151BH		150 1W ±5%	AB
R21	95KUEEB222DC		2.2k 1/4W ±5%	AB
R22	95KUEXCAA102		1k 1/10W ±5%	AA
R23	95KUEXCAA821		820 1/10W ±5%	AB
R24	95KUEYAA6801		6.8k 1/10W ±1%	AB
R25	95KUEEB473DC		47k 1/4W ±5%	AB
R26	95KUEXCAA222		2.2k 1/10W ±5%	AA
R27	95KUEXCAA273		27k 1/10W ±5%	AA
R28	95KUEYAA5601		5.6k 1/10W ±1%	AB
R29	95KUEYAA2202		22k 1/10W ±1%	AB
R30	95KUEYAA2202		22k 1/10W ±1%	AB
R31	95KUEYAA4702		47k 1/10W ±1%	AB
R32	95KUEXCAA102		1k 1/10W ±5%	AA
R33	95KUEXCAA224		220k 1/10W ±5%	AB
R34	95KUEYAA6801		6.8k 1/10W ±1%	AB
R36	95KUEYAA2200		220 1/10W ±1%	AB
R50	95KUEZ0550ZZ		6.8M 1/2W ±5%	AD
R101	95KUEEB182DC		1.8k 1/4W ±5%	AB
R102	95KUEEB471CX		470 1/4W ±5%	AC
R103	95KUEXCAA152		1.5k 1/10W ±5%	AA
R104	95KUEXCAA223		22k 1/10W ±5%	AA
R105	95KUEXCAA151		150 1/10W ±5%	AB
R106	95KUEXCAA391		390 1/10W ±5%	AA
R107	95KUEFD151BH		150 1W ±5%	AB
R108	95KUEEB224DC		220k 1/4W ±5%	AB
R109	95KUEEC151CH		150 1/2W ±5%	AC
R110	95KUEYAA3301		3.3k 1/10W ±1%	AB

Ref. No.	Part No.	★	Description	Code
R112	95KUEYAA4701		4.7k 1/10W ±1%	AB
R113	95KUEXCAA102		1k 1/10W ±5%	AA
R114	95KUEXCAA683		68k 1/10W ±5%	AA
R115	95KUEYAA1002		10k 1/10W ±1%	AB
	MISCELLANEOUS			
FB1	95KBFZ89322Z		Balun	AD
⚠ PC1	95KUDC0205ZZ		Photo Coupler (CHIP)	AF
⚠ F1	95KPJCZZ0078		Fuse 1.5A 250V	AE
CN2	95KPEZ0088ZZ		Socket	AH
CN3	95KFBZ0148ZZ		Terminal	AF
CN4	95KFBZ0148ZZ		Terminal	AF
CN5	95KFBZ0148ZZ		Terminal	AF
CN6	95KPCZ0204ZZ		Connector	AH
CN6	95KPCZ0203ZZ		Connector	AG
	CABINET PARTS			
MT1	95KLRZ6324ZP		Heat Sink	AE
MT2	95KLRZ6325ZP		Heat Sink	AE
MD1	95KMRZ5575ZZ		Case, Upper	AM
MD2	95KMRZ5555ZZ		Case, Lower	AH
⚠ CD1	95KEHS5021ZZ		AC Cord	AP
NP1	95KSBB2034ZZ		Label	AS
NP2	95KSBB1951ZZ		Label	AM
01	95KGZZ5307ZZ		Insulator	AG

UADP-0274TAZZ



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